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## The Escalation of ChatGPT: How ChatGPT will exert Influence on the Legal Profession?

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*In today's world, AI technology has advanced unbelievably. With the introduction of ChatGPT in November 2022 for free public testing by OpenAI, there have been significant breakthroughs across several industries including the legal field. With its sophisticated natural language processing abilities, ChatGPT, an OpenAI language model, may help lawyers with activities like document summarization, drafting, and legal research. In this article, we will discuss how Artificial Intelligence advanced with the launch of ChatGPT and how it developed. The prime focus will be on the Legal industry as to what issues and concerns arise in the legal profession to the use of ChatGPT. Every coin has two sides, so there will be both positive and negative aspects to the use of this tool in the Legal profession. This article explores the potential impact of ChatGPT on the legal industry and the necessity of ethical AI deployment and application and also provides some suggested solutions for the same. The integration of AI technologies like ChatGPT in the legal field has the potential to greatly enhance the quality of work of lawyers and other law professionals today and also shortly. However, it must be noted that this tool should be used as a tool only to assist the lawyers rather than to replace them.*

**Keywords:** *chatgpt, artificial intelligence, openai, technology, legal industry, lawyers.*

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## INTRODUCTION

Artificial intelligence is the simulation of human intelligence processes by machines, especially computer systems. Specific applications of AI include expert systems, natural language processing, speech recognition, and machine vision.<sup>1</sup> It can perform a variety of tasks such as speech recognition, decision-making, language translation, visual perception, research, etc. The creation of sophisticated algorithms and systems that can complete these jobs with great accuracy and efficiency is the result of the rapid advancement of AI technology in recent years. Artificial Intelligence (AI) has been rapidly encroaching into several industries such as technology, healthcare, agriculture, engineering, and including the legal profession. One of the leading AI models in the field is ChatGPT, a language model developed by OpenAI. It can perform jobs like translation, question-answering, and text summarization since it processes and generates text using deep learning algorithms. ChatGPT has the potential to significantly increase productivity and accuracy in a range of businesses, including the legal profession, because of its sophisticated natural language processing capabilities. Due to its enhanced performance and adaptability, ChatGPT has grown to become one of the most used language models in the world. Both corporations and individuals have used it to automate ordinary chores and increase productivity because it has been tailored for particular jobs. Despite its outstanding capabilities, it is important to remember that ChatGPT is merely a tool and that the parameters its users specify and the data it was trained on ultimately define its decisions and output. ChatGPT is becoming very popular these days due to several reasons such as it can produce long sequences of original texts rather than a numerical score or a yes-or-no response, as its result.<sup>2</sup> ChatGPT is highly used by law practitioners and law students since it assists them in legal research, drafting, document summarisation, etc. ChatGPT makes it possible to complete tasks accurately and efficiently in a shorter amount of time. However, it is important to

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<sup>1</sup> Ed Burns, 'What is artificial intelligence (AI)?' (*TechTarget*)

<<https://www.techtarget.com/searchenterpriseai/definition/AI-Artificial-Intelligence>> accessed 10 February 2023

<sup>2</sup> Dhirendra Kumar, 'What is ChatGPT-3? Why It Has Become So Popular?' (*Coingape*, 16 December 2022)

<<https://coingape.com/blog/what-is-chatgpt-3-why-it-has-become-so-popular/>> accessed 11 February 2023

remember that human lawyers still have ultimate decision-making power and that the application of AI needs to be closely scrutinized to maintain just and moral practices.

### **CHATGPT: AN OVERVIEW**

ChatGPT is a Chatbot which is developed by OpenAI, the San Francisco-based AI startup co-founded by Elon Musk and Sam Altman that also developed this year's ground-breaking picture generator DALL-E 2 and tools like GPT-3. ChatGPT was released in November 2022. ChatGPT stands for - "Chat generative pre-trained transformer". It is based on the GPT-3 family of big language models from OpenAI and has been modified (a method of transfer learning) using both supervised and reinforcement learning strategies. It is proving to be one of the most impressive AI chatbots ever made available to the general public. It has a wide range of uses, including text production for chatbots, language modeling, and the ability to produce writing that sounds human. ChatGPT has been trained using an enormous amount of text data, It acquired the ability to recognize patterns, enabling it to produce original text that imitates a variety of writing styles. The GPT-3 model is capable of producing texts with up to 50,000 characters on its own. This contains nearly 45 TB of unfiltered material in addition to 570 GB of filtered content that was collected from books, web texts, Wikipedia articles, and other online writing sources. More specifically, the machine was fed 300 billion words. OpenAI intends to earn \$200 million next year and \$1 billion by 2024, according to its most recent investment pitch, as reported by Reuters.<sup>3</sup> Along with real materials, it can also produce fiction. Because ChatGPT is limited to knowledge it learned before 2021 and unlike Google, it does not crawl the web for information on current events, some of its responses come out as antiquated (When I asked it about Current Affairs of January 2023, for example, it came up with the following response: 'I'm sorry, my training data only goes up until 2021, and I cannot access current information or events'. However, it does provide some common topics of discussion in the aforementioned month). Thus, the model was built to have a vast capacity and was optimized for particular tasks, enabling it to produce high-quality, pertinent, and cogent responses. ChatGPT offers a

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<sup>3</sup> *Ibid*

significant leap in the creation of AI systems that can converse with people effectively by utilizing the most recent developments in deep learning and NLP.

## HISTORY & DEVELOPMENT OF CHATGPT

ChatGPT originated through the launch of GPT (Generative Pre-Training Transformer), an AI language model by researchers at OpenAI in the year 2018. GPT was more effective than other language models at that time for tasks like common sense reasoning and reading comprehension. It would easily understand the sentences and could give reasonable answers through concepts more effectively. For example, When AI was told that you lost your Realme charger, it would understand that you should buy a replacement for it from an authorized Realme Retailer or through marketplaces such as Amazon and Flipkart. Eight months after the release of GPT, a new version of it was released by OpenAI called GPT-2. This version could produce writing that appeared more natural because it was trained on more than ten times as much data. The potency of the GPT series was finally starting to sink in at this point. GPT-2 was awarded the nickname "Chameleon-like" by OpenAI for its ability to adapt to any given command without the need for special training. Then in June 2020, GPT-3 was released and it was more advanced, intelligent, and interactive than its forerunners with 175 billion parameters. GPT-3 was in a class by itself, while GPT had 117 million parameters and GPT-2 had 1.5 billion.<sup>4</sup>

GPT-3 quickly became well-liked and was employed to produce blog entries, social media updates, and even full websites. It was a useful tool for both corporations and individuals due to its capacity for activities like translation and summary. GPT-3 had its limitations despite its amazing capabilities. It had trouble making logic and occasionally produced biased or offensive stuff. Shortly, after continuing the GPT series, GPT-4 is going to become the successor. The capabilities of chat GPT and GPT-4 will keep growing with each successive version, enabling them to play an even bigger role in our daily lives. The potential use of GPT-4 will be for customer service, it will be able to handle customer inquiries and deliver more individualized

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<sup>4</sup> Mustapha El Hajj, 'The Fascinating Evolution of Chat GPT' (*Medium*, 4 January 2023) <<https://medium.com/life-3-0-journey/the-fascinating-evolution-of-chat-gpt-f4218b36001a>> accessed 11 February 2023

support and it might be able to handle much more difficult writing tasks, which could completely alter how we produce and consume material.

One thing is certain, the road to creating amazing chatbots is far from over, and the challenges and interesting innovations that lie ahead are certain to be numerous. Overall, there are a lot of opportunities for chat GPT and GPT-4 in the future. These chatbots will probably become an essential part of our daily lives as AI technology advances, assisting us in doing a variety of tasks more quickly and effectively.

### **CHATGPT AND THE LEGAL INDUSTRY**

After the release of ChatGPT, its usage has become a part of our daily lives. People are using it for a variety of tasks in various industries and the Legal industry is no exception. The global adoption of ChatGPT has the potential to fundamentally alter legal practices. The conversational chatbot is adept at a variety of human-like tasks, including writing and debugging code, creating lyrics, writing in a particular author's voice, and responding to test questions. Additionally, ChatGPT has rekindled conversations about how AI is being used to alter industries like law and the provision of legal services. Can ChatGPT help lawyers form agreements and legal drafts? Is ChatGPT qualified to provide trustworthy legal counsel? Could ChatGPT eventually completely replace certain lawyers?

Supreme Court Judge, Justice Hima Kohli highlighting the significance of artificial intelligence warned that "*AI cannot be a substitute for a trained judicial mind and can it replace the human element that is required from a lawyer to conduct a case or give an opinion.*" The Supreme Court judge also observed that using artificial intelligence (AI) to decide cases up to a predetermined threshold, such as credit card fraud and check bouncing cases, has the potential to significantly increase efficiency and speed up resolution.<sup>5</sup>

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<sup>5</sup> Debayan Roy, 'Artificial Intelligence not a substitute for trained judicial mind, can deal with traffic violations, cheque bounce cases: Justice Hima Kohli' (*Bar and Bench*, 12 February 2023) <<https://www.barandbench.com/news/litigation/artificial-intelligence-not-a-substitute-for-trained-judicial-mind-justice-hima-kohli>> accessed 11 February 2023

Therefore, ChatGPT can help lawyers choose which cases to pursue more intelligently, identify important terms and clauses in contracts, review and analyze large amounts of information more quickly and efficiently, translate legal documents into other languages, and provide prompt and accurate responses to legal questions. However, it's crucial to remember that ChatGPT is only a tool and that the parameters provided by its users as well as the data it was trained on ultimately influence the decisions and results from it produces. This means that, especially when used in the context of legal decision-making, its result might not always be accurate or dependable. The application of ChatGPT in the legal sector brings up several worries and challenges, including unfairness and bias, lack of accountability, high-quality output, secrecy, and job loss.

## ROLE OF CHATGPT IN THE LAW INDUSTRY

ChatGPT can be used effectively in the law industry, it can play several roles such as:

- **Contract Drafting** - When I asked ChatGPT to draft a bail document as per Indian Law, it generated a standardized template for the same. This can save time and reduce errors.
- **Legal Research** - Legal research is one of the most time-consuming aspects of being a lawyer. It can be done more rapidly and effectively by using ChatGPT to search and analyze huge volumes of legal data and documents. Legal practitioners have almost quick access to information on specific cases, terms, and legislation.
- **Simplify legal language** - For quicker responses and simpler interpretation, lawyers can train AI to translate legal language into laymen's English. For example, one Twitter user was able to train an AI model to translate difficult legalese into understandable English. He only needed to feed the AI with two samples, and it took care of the rest of the translations with ease.<sup>6</sup>

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<sup>6</sup> Jeffrey Nadrich, 'ChatGPT and the Role of AI in the Law Industry' (*JDSUPRA*, 12 January 2023) <<https://www.jdsupra.com/legalnews/chatgpt-and-the-role-of-ai-in-the-law-3324950/>> accessed 11 February 2023

- **Case and Clause Analysis** - Lawyers can quickly comprehend the most important elements in a contract by using ChatGPT to analyze documents and find common clauses and cases related to them. It can also give judgment of a pre-decided case in brief.
- **Legal Advice** - The usage of ChatGPT can free up lawyers to concentrate on more difficult and high-value work by providing initial legal advice and solutions to frequently asked legal concerns. However, one should not fully rely on the information and advice given by it.
- **Legal Education** - ChatGPT can be used to deliver legal education and training, allowing attorneys to stay current on changes to the law and advance their careers.

## CONCERNS AND ISSUES IN THE LEGAL PROFESSION RELATING TO THE USE OF CHATGPT

In the context of the legal industry, ChatGPT is a technology that can produce high-quality language based on a lot of data, but it cannot replace human discretion and knowledge. We cannot rely on artificial intelligence when it comes to law. There are various issues and concerns which need to be addressed regarding the use of ChatGPT in the legal profession, such as:

**Accuracy** - The information provided by ChatGPT cannot be fully relied upon because errors in legal information can have detrimental effects on both people and organizations. The training data of ChatGPT is also not up to date leading to inaccurate or outdated information it may provide.

**Protection of Client Information** - Since ChatGPT is built to learn from data, they have access to a pool of knowledge and information. This may include private client data, including identifying information and legal records which may be sensitive and confidential, so there is a threat of unauthorized access.<sup>7</sup>

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<sup>7</sup> Thomas Lawrenson et al., 'We asked AI to explain its risks to the legal profession', (*Lexology*, 26 January 2023) <<https://www.lexology.com/library/detail.aspx?g=3e5245a0-c066-4e84-8ff8-c034e128c23c>> accessed 11 February 2023

**Antiquated Response** - The responses provided by ChatGPT are outdated because its training data only goes up until 2021. As a result, if an AI system like ChatGPT can't update itself daily, the information it provides is likely out-of-date or inappropriate. Additionally, the law changes every single day, with numerous amendments taking place, new angles on the law emerging every day, and new legislature and acts coming into existence.

**Lack of Accountability** - Because ChatGPT is a machine, it cannot be held liable for its choices or deeds in the same way that a person can. This poses problems for the legal profession and questions about who bears responsibility when anything goes wrong.

**Risk to Intellectual Property** - The ability to produce original works that are challenging to assign a particular creator to may be possessed by generative AI systems. For some works, this can make it challenging to enforce copyright or patent protections.

**Productivity level** - Although ChatGPT can produce excellent text, the productivity of its output depends on the training data and the user-defined settings. This implies that its output might not always be precise or trustworthy, especially when it comes to making legal decisions.

**Can imitate a Human way of thinking** - ChatGPT can imitate a person's thought process, producing content in the process. For example, Hollie Mengert, an illustrator and Disney discovered that her style is being replicated under an experiment in Canada. The model was trained with 32 pieces of Mengert's original work for a few hours. As a result, the machine learning model was able to replicate Mengert's style on a new concept.<sup>8</sup>

**Plagiarism** - Plagiarism is an issue for the legal information offered by ChatGPT since it can jeopardize the legal profession's legitimacy and integrity. In educational institutions, plagiarism is regarded as a serious problem when it comes to students' assignments, projects, and other academic submissions. The main goal of assignments is to teach students new material and encourage them to create an original, novel version of the activity that demonstrates their

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<sup>8</sup> Huma Nadeem, 'Technical and Legal Risks of ChatGPT: How prepared are we with Laws on AI?' (*Information Security Buzz*, 08 January 2023) <<https://informationsecuritybuzz.com/technical-and-legal-risks-of-chatgpt-how-prepared-are-we-with-laws-on-ai/>> accessed 11 February 2023



understanding. Students can now create content and present it as their own because of tools like Chat GPT.

**Malicious Activities** – Technology has many advantages, but it can also be abused by people who have terrible intentions. Therefore, ChatGPT may be utilized for malicious purposes, such as carrying out undetected cyberattacks.

**The moral and ethical issues** - Complex ethical and moral issues that are beyond the capacity of a machine frequently come into play while making legal decisions. The usage of ChatGPT poses issues regarding who is in charge of making moral judgments in legal situations and how to make sure that these decisions are done honestly and responsibly.

## **SUGGESTED SOLUTIONS**

Since there are many concerns and issues which can arise, certain solutions are suggested so that these problems don't pose a threat to the legal industry. Lawyers can use ChatGPT as an assistance. Firstly, a full risk assessment must be done by legal practitioners before coming to the conclusion based on the data provided by ChatGPT and it is possible to guarantee the accuracy of the data produced by ChatGPT by using recent training data. Secondly, Lawyers must validate oversight of the information and use human expertise to confirm its relevance and accuracy. The information provided by ChatGPT can also be verified by consulting a variety of sources, including primary legal sources including laws, regulations, and court rulings. Additionally, accurate attribution and citation are essential for ensuring the originality and authenticity of information before employing it in legal work.

ChatGPT interacts with a variety of users, which raises the possibility that one user may share sensitive or personal information without the agreement of the relevant data subject. There is a chance that such private data will be used to improve ChatGPT. One is advised not to use sensitive or personal information or data when communicating with ChatGPT because lawyers

commonly deal with clients' sensitive or personal information.<sup>9</sup> Several colleges in Australia have expressed concerns and implemented stronger anti-cheating and academic integrity measures after learning that the reach of the bot's capabilities also extends to students utilizing ChatGPT to cheat on assignments and examinations.

To encourage the ethical and open use of technology, ChatGPT usage in the legal profession should likewise be governed by ethical principles and standards. The accuracy and dependability of the data provided by ChatGPT can also be increased by frequent updates and changes to the training data and algorithms utilized. By putting these ideas into practice, the legal community can employ ChatGPT in a way that values and respects human expertise and judgment while also encouraging ethical and responsible technology use.

### **FUTURE OF LAW WITH ESCALATION OF CHATGPT**

The legal industry may be significantly impacted by the usage of AI tools like ChatGPT and other language models over the next few decades. These tools can be used to automate a range of legal-related processes, including contract analysis, document evaluation, and legal research. This can considerably improve the effectiveness and speed of these procedures, enabling lawyers to concentrate on other important activities and give clients greater service.

Tomorrow's lawyers will be the people who develop the systems that will solve clients' problems. These lawyers will be system developers, legal risk managers, legal knowledge engineers, experts in design thinking, and more. These people will create fresh approaches to resolving legal issues with the use of technology. The legal industry is digitizing in many ways just like other sectors have, and since it relies so heavily on documents, it is a sector that stands to gain a lot from what technology has to offer. According to Prof Richard Susskind, some jobs will be replaced by machines in the coming ten years along with the coexistence of machines and attorneys. He thinks that eventually the legal system and a lawyer's employment will change since technology is enabling us to find new ways to solve problems. For instance, he

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<sup>9</sup> Ridwaan Boda, 'ChatGPT: a useful tool or risk for lawyers?' (*Lexology*, 31 January 2023) <<https://www.lexology.com/library/detail.aspx?g=368340b7-c550-48bc-aaf0-e48dd499e09c>> accessed 11 February 2023

predicts that there will be less demand for attorneys who represent clients in court as there would be fewer cases handled in traditional courts in the future. Lawyers can either work to undermine these structures or contribute to their creation. Richard undoubtedly advises the latter.<sup>10</sup> The most important question which arises in the mind of people is that, Will AI tools like ChatGPT replace Lawyers and their ability to provide guidance, expertise, and ethical judgment in the future.

So, it is important to note that ChatGPT or any other such AI technology is not expected to replace lawyers rather it will enhance their work and increase their productivity. Lawyers will still play a crucial role in providing legal services because ChatGPT is a machine learning system, it could not have a human lawyer's level of comprehension and judgment when it comes to interpreting legal precedent and principles. This might be used in the legal sector to automate the production of legal documents or to help lawyers learn about and analyze difficult legal matters. The adoption of any new technology, however, can be a challenging process, therefore it may take some time for generative AI to become fully incorporated into the legal sector.

Law students can also take advantage of these tools now and in the future to improve their education, boost productivity, and get ready for potential future employment prospects. However, numerous positions, including those in the legal sector, may be eliminated in favor of AI tools like ChatGPT because the bot has previously been used to create legal papers and define academic projects. Minnesota University Law School Professor Jonathan Choi gave ChatGPT the same test law students take, with 95 multiple-choice questions and 12 essay questions, as reported by CBS News. ChatGPT scored a low-passing mark of C+. "Overall, ChatGPT wasn't a great law student acting alone," Professor Choi later tweeted.<sup>11</sup>

AI can replicate some of the work that paralegals and legal assistants do, though they aren't entirely replaceable, experts say. Since it takes some human judgment to know what a client or

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<sup>10</sup> Bernard Marr, 'The Future of Lawyers: Legal Tech, AI, Big Data And Online Courts' (*Forbes*, 17 January 2020) <<https://www.forbes.com/sites/bernardmarr/2020/01/17/the-future-of-lawyers-legal-tech-ai-big-data-and-online-courts/?sh=26441039f8c4>> accessed 11 February 2023

<sup>11</sup> Lauren Croft, 'ChatGPT not likely to wholly replace lawyers (yet)' (*Lawyers Weekly*, 1 February 2023) <<https://www.lawyersweekly.com.au/newlaw/36571-chatgpt-not-likely-to-wholly-replace-lawyers-yet>> accessed 11 February 2023

employer wants, AI won't be able to entirely automate the legal profession. "It's almost like a bit of a productivity boost that some of these occupations might get because you can use tools that do this better," Anu Madgavkar, a partner at the McKinsey Global Institute, an economic research hub says.<sup>12</sup> Increasingly used in the legal sector, ChatGPT and other AI technologies, new job positions may be created, such as legal data analysts, who would be able to extract insights from vast amounts of legal data.

In conclusion, the use of AI tools like ChatGPT in the legal industry may alter the nature of legal work in the future, but, likely, lawyers will still be essential in providing clients with legal advice and knowledge. AI won't likely take the place of lawyers in the upcoming ten years. Current AI systems struggle to duplicate the variety of skills, experience, and emotions needed in the legal profession. Lawyers may be able to offer more effective, accurate, and easily available legal services that better fit the needs of their clients by utilizing the strengths of AI technologies.

## CONCLUSION

ChatGPT is an amazing technology built by OpenAI and is a great example of how quickly artificial intelligence may be used by the entire world. The broad adoption of this technology could yet be hampered by a plethora of legal problems and uncertainties. By offering quick and precise information, ChatGPT has the potential to change the legal industry. However, it's critical to be aware of the restrictions and issues surrounding the usage of this technology and to deal with them morally and responsibly. The suggested solutions, which include using current training data, human oversight, and validation, using multiple sources, correct attribution and citation, using technology ethically, and routine updates and improvements, can help guarantee that ChatGPT is used in a way that supports the legal profession and raises the standard of legal services. The legal profession can take advantage of the use of ChatGPT and maintain its leadership position by embracing technology responsibly and morally.

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<sup>12</sup> Aaron Mok & Jacob Zinkula, 'ChatGPT may be coming for our jobs. Here are the 10 roles that AI is most likely to replace' (*Business Insider India*, 2 February 2023)  
<<https://www.businessinsider.in/policy/economy/news/chatgpt-may-be-coming-for-our-jobs-here-are-the-10-roles-that-ai-is-most-likely-to-replace-/slidelist/97560110.cms>> accessed 11 February 2023

In the upcoming years, the legal profession is likely to be significantly impacted by the adoption of AI technologies like ChatGPT. While ChatGPT and other AI tools are not anticipated to replace lawyers anytime soon, they are expected to play a bigger role in assisting them and improving the effectiveness and accuracy of legal research and analysis. The employment of ChatGPT and other AI technologies brings challenges and opportunities for law students. Although these tools can improve their education and create new employment prospects, students also need to be trained to comprehend the ethical and professional implications of AI technology and work with experts in other sectors to create and responsibly use these tools. Overall, the adoption of ChatGPT and other AI technologies appears to bode well for the future of the legal profession. However, careful consideration and deliberate action will be needed to ensure that these tools are used as per ethical and professional standards and that they complement, not replace, the invaluable skills, emotions, and knowledge of human lawyers.