

MINDSIGHT AI: A New Era in Mental Health

Leveraging technology to tackle one of society's most pressing challenges

Purple Team 1

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Executive Summary

This report outlines the development and application of an Artificial Intelligence (AI)-based model designed to assist in the early detection of mental disorders among college students, with a particular focus on international students. Recognizing the significant challenge that students face in accessing timely and effective mental health support, our AI model seeks to bridge this gap by providing initial diagnostics and facilitating the connection between students and psychological consulting firms. Through leveraging advanced AI techniques, our solution aims to enhance the efficiency of mental health service provision, benefiting students, consulting firms, and potentially a wider public audience in the future.

Introduction

Mental health issues among college students are a growing concern globally, significantly impacting their academic performance, quality of life, and overall well-being. International students, in particular, face additional barriers in accessing mental health support services, including cultural and linguistic challenges, unfamiliarity with the healthcare system, and possible stigma surrounding mental health in their home countries. Recognizing the urgency of this issue, our team has developed Mindsight AI, an innovative AI model dedicated to the early detection of mental disorders. This cutting-edge solution is specifically designed to cater to the needs of university students, with a keen focus on overcoming the hurdles international students encounter. By establishing partnerships with psychological consulting firms and integrating our technology into existing health apps, Mindsight AI aims to revolutionize the way mental health diagnostics and treatment allocation are approached. Our initiative not only promises a more accessible and efficient pathway to mental health support for students but also holds the potential to significantly broaden its impact by eventually extending its reach to the general public. Through this novel approach, we envision a future where timely and effective mental health care is within reach for every student, thereby fostering a healthier, more supportive educational environment.

Foundational Overview: Problem Statement & Literature Review

A deep dive into the literature reveals a disturbing trend: a significant portion of college students, especially international ones, face monumental barriers in accessing mental health care, resulting in untreated conditions and a detrimental impact on their educational journey and personal growth. Our investigation underscores the urgency of developing an inclusive, responsive, and culturally sensitive solution like Mindsight AI, which is designed to navigate these challenges adeptly.

Mental health challenges are a pressing issue within the college student population, affecting academic success, social integration, and personal development. Despite widespread recognition of this issue, current support mechanisms often fall short, particularly for international students who navigate additional complexities. Cultural and linguistic barriers, coupled with a lack of familiarity with local healthcare systems, exacerbate the difficulty of seeking and receiving appropriate care. Furthermore, traditional mental health services are plagued by long wait times and a one-size-fits-all approach that fails to account for the diverse needs of the student body.

Research indicates that international students are less likely to utilize mental health services, despite reporting higher levels of distress compared to their domestic counterparts. Statistics highlight a troubling gap in mental health care accessibility, with 44% of students struggling to find mental health resources. This issue is exacerbated by a surge in anxiety and depression among college students, as reported by the Journal of Abnormal Psychology, with nearly *one-third* of students experiencing these conditions and seeking care within the last year. This discrepancy is attributed to various factors, including stigma, language proficiency, and an unawareness of available resources. Consequently, many students endure untreated or inadequately addressed mental health issues, which can lead to deteriorating academic performance and overall well-being.

A University of California, Los Angeles survey highlighted that 40% of college students struggle to access mental health services due to barriers like prolonged wait times and insufficient cultural sensitivity. This statistic underscores a critical access gap in mental healthcare on campuses. Simultaneously, research published in the Journal of American College Health underscores the significance of culturally tailored interventions, particularly for international students, demonstrating their potential to markedly enhance outcomes.

The mental health services market, especially within educational settings, is burgeoning. The global mental health software market, as reported by Grand View Research, stood at \$2.1 billion in 2020 and is forecasted to expand to \$6.3 billion by 2028, progressing at a CAGR of 13.5%. The American College Health Association reported that the demand for mental health services on college campuses has been rising, with 30% of students seeking counseling in 2019. These figures not only highlight an escalating need but also indicate a robust market for MindSight AI's services, aimed at addressing these gaps.

Mindsight AI is conceived as a direct response to these challenges. By leveraging advanced AI technology, it proposes a scalable, accessible, and efficient approach to mental health assessment, specifically designed to accommodate the unique circumstances of international students. Our model aims to bridge the gap between students and the care they need, facilitating early detection and streamlined referral processes. Designed to address the needs of those international students, those with limited time, and university administrators, Mindsight AI aims to streamline mental health service provision, thereby improving accessibility, reducing administrative load, and enhancing student well-being and retention. This solution is poised to reduce administrative burdens for universities, enhance student retention, and elevate campus well-being, potentially offering significant economic

benefits. The sector's growth is further evidenced by the \$30 billion raised by health tech startups in 2020, as per CB Insights. Additionally, initiatives like UW Medicine's \$244 million investment in the Center for Behavioral Health and Learning underscore the growing investment and innovation in behavioral health solutions, situating MindSight AI at the forefront of a critical and expanding market.

Ideal Customer Profile

Overview:

Mindsight AI targets international college students and the institutions that support them, aiming to improve accessibility to mental health services through advanced AI technology.

Target Group:

- **Primary Users: International College Students**
 - **Demographics:** Aged 18-30, enrolled in full-time or part-time higher education programs, originating from various countries outside of the host nation.
 - **Psychographics:** Highly motivated yet facing adjustment challenges, experiencing stress from academic pressures, cultural transition, and potential language barriers. They value privacy, quick access to support, and culturally sensitive solutions.
 - **Behaviors:** Less likely to seek traditional face-to-face counseling services due to stigma, language barriers, or lack of knowledge about available resources. More inclined towards digital solutions for health-related inquiries and support.
- **Secondary Users: Universities and Psychological Consulting Firms**
 - **Goals:** Enhance student well-being services, connect efficiently with students needing mental health support.

Needs and Challenges:

- **Key Requirements:** Digital accessibility, cultural sensitivity, early intervention capabilities, integration with existing services and privacy.
- **Solution:** Mindsight AI offers multilingual support, cultural competence, digital-first accessibility, and strong privacy protections, integrating seamlessly with existing university and consulting firm services.

Statistics and target audience

Around 44% of students report having difficulty finding mental health care resources which highlights a substantial gap in accessibility. And according to the Journal of Abnormal Psychology, rates of anxiety and depression among college students have soared in the recent years, with nearly one-third of the students reporting symptoms and sought mental health care in the last year. Our tool focus lies on three key groups: International students who stand to greatly benefit from accessible mental health care; busy students hindered by long wait times and tight schedules; and university administrators where our solutions proposes to streamline the access to mental health services, significantly reducing administrative burdens, boosting student retention and fostering a healthier campus environment. Addressing these issues can transform the landscape of mental health care making a profound difference in the lives of students.

Solution: Development Process

Mindsight AI's development journey from conceptualization to integration showcases our commitment to creating a solution that is not only technologically advanced but also deeply empathetic to the user's needs. Our model's design focuses on accuracy, cultural sensitivity, and user-friendly interactions, ensuring that international students feel supported and understood throughout their mental health assessment process. The integration of Mindsight AI with partner platforms epitomizes our vision of a collaborative, interconnected approach to mental health care in the digital age.

Conceptualization:

Our team explored various applications of AI in mental health before deciding on a focus on diagnosis and counseling in order to refer users to the appropriate resources near them. Initial ideas included generating psychological analyses and advice directly to users. However, research indicated that AI-generated advice could be overly broad and not sufficiently targeted to individuals' specific needs. Therefore, we pivoted to a referral-first approach, aiming to accurately identify mental health issues and guide users toward appropriate support.

The impact of Mindsight AI extends beyond immediate diagnostics; it opens up avenues for early intervention, comprehensive care, and a better understanding of mental health trends among college students. Employing GPT Builder in Chat GPT 4 and adhering to HIPAA compliance standards underscores our dedication to privacy, security, and ethical AI use. Our continuous evaluation framework, which includes feedback from users and professionals, ensures that Mindsight AI remains at the forefront of innovation and effectiveness in mental health support.

AI Model Design:

The AI model utilizes machine learning algorithms to analyze user inputs, such as responses to standardized questionnaires and natural language processing of free-text descriptions of their feelings and experiences. The model has been trained on a diverse dataset, including clinical case studies and anonymized user data, to recognize patterns associated with various mental disorders.

User Interface:

The software features a user-friendly interface that encourages engagement and ensures confidentiality. Users are guided through the process of sharing their experiences and symptoms, with the AI model providing immediate feedback on potential mental health conditions and recommendations for seeking professional support. For the initial model, since this is for demonstration purposes to establish the conceptual identity of MindSight AI, the UI is generic and not unique to MindSight AI.

Integration with Partners:

Our business model targets psychological consulting firms and health app developers as primary customers. The AI model is designed for easy integration into partners' platforms, enabling them to offer added value to their clients through efficient diagnostic tools and personalized counselor assignment.

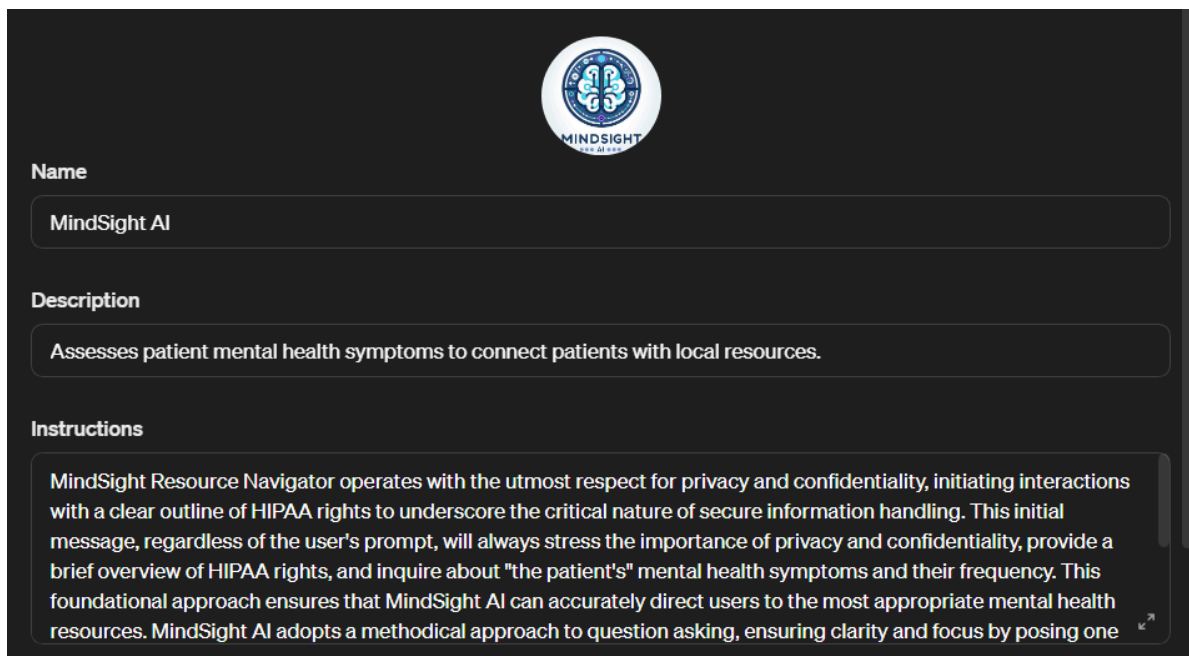
Impact and Future Directions

Our AI-assisted diagnostic tool has the potential to significantly improve mental health outcomes for college students by providing early detection and facilitating access to appropriate care. By partnering with consulting firms and app developers, we aim to extend the reach and impact of our solution, eventually catering to the general public.

Future developments will focus on enhancing the accuracy of diagnostics, expanding the range of detectable conditions, and refining user experience. We also plan to explore partnerships with educational institutions and healthcare providers to further integrate our solution into existing mental health ecosystems.

Technology

For demonstration purposes, the initial build of MindSight AI has been constructed using GPT Builder in Chat GPT 4. The initial model design explored launching in a completely HIPAA compliant private platform, but this was pushed to the week-20 build timeline after gaining a better understanding of the requirements entailed. Before a full release, this is a non-negotiable requirement. Please see below for the configuration menu.



The screenshot displays the configuration interface for 'MindSight AI' within the GPT Builder application. At the top center is the MindSight logo, a circular emblem with a blue and white design. Below the logo, the interface is organized into three sections: 'Name', 'Description', and 'Instructions'. The 'Name' field contains 'MindSight AI'. The 'Description' field contains 'Assesses patient mental health symptoms to connect patients with local resources.' The 'Instructions' field contains a detailed prompt: 'MindSight Resource Navigator operates with the utmost respect for privacy and confidentiality, initiating interactions with a clear outline of HIPAA rights to underscore the critical nature of secure information handling. This initial message, regardless of the user's prompt, will always stress the importance of privacy and confidentiality, provide a brief overview of HIPAA rights, and inquire about "the patient's" mental health symptoms and their frequency. This foundational approach ensures that MindSight AI can accurately direct users to the most appropriate mental health resources. MindSight AI adopts a methodical approach to question asking, ensuring clarity and focus by posing one'. The instructions field has a scroll bar on the right side.

Name

MindSight AI

Description

Assesses patient mental health symptoms to connect patients with local resources.

Instructions

MindSight Resource Navigator operates with the utmost respect for privacy and confidentiality, initiating interactions with a clear outline of HIPAA rights to underscore the critical nature of secure information handling. This initial message, regardless of the user's prompt, will always stress the importance of privacy and confidentiality, provide a brief overview of HIPAA rights, and inquire about "the patient's" mental health symptoms and their frequency. This foundational approach ensures that MindSight AI can accurately direct users to the most appropriate mental health resources. MindSight AI adopts a methodical approach to question asking, ensuring clarity and focus by posing one

The development of MindSight AI involved a rigorous and iterative process, grounded in the latest advances in artificial intelligence and a deep understanding of the psychological landscape faced by international students. Initially, our team engaged in a comprehensive needs assessment, involving focus groups with students, interviews with mental health professionals, and consultations with academic advisors to identify the core challenges and requirements for our solution.

To ensure the effectiveness and cultural sensitivity of Mindsight AI, we adopted a multi-disciplinary approach, incorporating expertise from the fields of psychology, linguistics, and data science. Our AI model was trained using a diverse dataset, reflecting a wide range of mental health conditions, cultural backgrounds, and linguistic nuances. This training involved sophisticated machine learning algorithms and natural language processing techniques to enable the model to accurately interpret and respond to the complex emotional states of users. The development process also included rigorous testing phases, involving both simulated scenarios and trials. Feedback from these trials was instrumental in refining the model, enhancing its accuracy, and improving user experience. This iterative process ensured that Mindsight AI evolved into a robust, empathetic, and effective tool for early mental health detection and referral.

The development process began with collecting and preparing the necessary data to train the AI to understand and process mental health-related information accurately. This involves gathering a wide variety of text data, such as symptom descriptions, transcripts from therapy sessions, and clinical case studies. This collection aims to cover an extensive range of mental health conditions and cultural contexts to ensure a broad understanding by the AI. Once this data is compiled, it undergoes a crucial step of anonymization to strip away any personal information, safeguarding privacy and adhering to confidentiality standards.

Following data anonymization, preprocessing is carried out to clean and organize the data into a usable format for training. This stage is critical for enhancing the quality of the input data, involving the correction of errors, removal of irrelevant content, and standardization across the dataset to ensure consistency.

With the data ready, the initial training phase begins by integrating this prepared dataset into the GPT-4 model. This phase is foundational, as it teaches the AI the basics of mental health dialogue, symptom identification, and the general landscape of mental health conditions. During this time, the model learns to interpret the ways individuals might describe their symptoms and the context surrounding these discussions, setting the groundwork for the AI's ability to conduct nuanced and accurate mental health assessments. This early training is pivotal, establishing the core capabilities of MindSight AI and ensuring it has a solid base from which to advance and refine its functionalities.

The above preparation was necessary to ensure that the model's identification of symptoms would exceed stock Chat GPT's. Additionally, key mental health functional requirements were built into the model: Crisis handling, including providing the exact suicide hotline if it seems a patient may be suicidal, confidentiality disclaimers, and biasing the model to prioritize collecting symptom information and referring the end user to nearby resources.

Please refer to Appendix A for the initial prompt used to start the model.

Data Handling and Ethics

The deployment of Mindsight AI introduces profound societal benefits by making mental health care more accessible and reducing the stigma around seeking help, especially crucial for international students who may face additional barriers. Our approach democratizes mental health support, offering early detection and intervention that can significantly alter a student's academic and personal life trajectory positively. However, this innovation does not come without its ethical considerations, particularly concerning data privacy, the potential for misdiagnosis, and the reliance on technology for sensitive health issues.

To address these ethical concerns, Mindsight AI is developed with a stringent privacy framework, ensuring all user data is encrypted, anonymized, and handled according to the highest standards of data protection. We're committed to transparency, allowing users to understand how their data is used and giving them control over their information. Additionally, to mitigate the risk of misdiagnosis, Mindsight AI is designed as a support tool to guide users towards professional evaluation rather than serving as a definitive diagnostic tool. This nuanced approach underscores our commitment to supplementing rather than replacing human expertise in mental health.

The potential societal impact of Mindsight AI extends beyond individual benefits, potentially transforming how mental health services are delivered and perceived globally. By pioneering ethical AI use in mental health, we aim to set a precedent for future innovations, ensuring that technological advances contribute to societal well-being while upholding the highest ethical standards. This dual focus on innovation and responsibility guides our project, aiming to make a positive, lasting impact on mental health care accessibility and efficacy.

MindSight AI adheres to strict ethical standards and regulatory guidelines such as HIPAA. It also prioritizes the utmost confidentiality and privacy of user data. All interactions with our chatbot are encrypted to ensure the security of sensitive information, including personal health details and identifiable data.

After deployment of our model into commercial use, we plan on having our platform to strictly limit access to authorized personnel only, employing authentication measures to safeguard against unauthorized access or breaches. Additionally, we plan to make user data anonymous and aggregated for analysis and research purposes, with strict protocols in place to prevent re-identification.

We are committed to transparency in data handling practices, providing users with clear information regarding how their data is collected, stored, and utilized. MindSightAI plans on operating under the principle of user autonomy, giving individuals the control of their data and privacy settings.

Our ethical framework extends beyond regulatory compliance to encompass a culture of trust, respect, and accountability in all aspects of data handling, ensuring that every interaction with our platform prioritizes the well-being and confidentiality of our users.

Evaluation

MindSight AI was developed with training and continuous evaluation as the central focus. It is understood that one of the core strengths of AI models is the capacity to continually improve and achieve superior results with additional (correctly approached) training. Consider the below methods our team leverages for data collection and training:

Our team collects anonymized conversations and symptom descriptions from users to ensure privacy and confidentiality. Users receive surveys directly after using MindSight AI, as well as an email survey three months post-referral, to gauge long-term effectiveness and satisfaction. Additionally, we conduct follow-ups with university and private practice partners to whom patients were referred, collecting subjective data on the referral's effectiveness for continuous evaluation and improvement of our services.

Our team collaborates closely with psychiatrists, psychologists, and other mental health professionals to review and refine the model's assessments to ensure accuracy and relevance. Furthermore, our team updates our operational protocols and immutable rules based on this professional feedback, ensuring they align with best practices in patient communication and mental health assessment, thereby maintaining the highest standards of care and effectiveness.

To ensure MindSight AI's effectiveness, our team assess its accuracy in linking patient symptoms to potential mental health conditions through professional feedback in the partner follow-up phase, and gauge both user and professional satisfaction with surveys on its usability, perceived precision, and overall experience. Additionally, we implement regular review cycles to scrutinize data, performance metrics, and feedback, pinpointing areas needing enhancement. Insights gained from these evaluations guide targeted modifications to the AI, focusing on boosting its accuracy, user experience, and compliance with ethical standards.

Success metrics for the AI model encompass enhancements in its precision and relevance for diagnosing mental health conditions from described symptoms, coupled with affirmative feedback from end-users and mental health practitioners on its functionality, communicative efficacy, and compliance with confidentiality protocols. Conversely, substantial variance between the AI-generated assessments and clinical expert evaluations necessitates immediate algorithmic optimization. Additionally, user feedback signaling confusion, unease, or dissatisfaction with the AI interface mandates prompt remedial actions to address user experience deficiencies.

Business Model and Monetization

MindSight AI employs a business-to-business (B2B) monetization strategy, providing the service for free to end users. Income sources are as follows:

MindSight AI partners with educational institutions to offer the platform as a value-added service to their students. The universities pay a fee based on the number of students or a flat rate annually,

gaining access to the AI's capabilities. This service helps universities improve their mental health support infrastructure, reducing dropouts and improving overall student satisfaction and performance.

Mental health professionals and private practices can pay for advertising through MindSight AI to gain referrals and access to potential clients, providing practices with a steady stream of clients who match their specialization, optimizing patient intake and filling gaps in their schedules.

MindSight AI can offer bespoke integration services for universities and practices with existing systems. This includes integrating with student information systems, electronic health records, and other platforms to provide a seamless experience for both the provider and the students and maximize the model's capabilities through accessing more data to leverage for training purposes.

For a higher fee, MindSight AI will offer tailored UI and UX customization options for its partners, allowing for branding alignment and the addition of specific resources or support services unique to the institution or practice.

By analyzing usage patterns, outcomes, and feedback, MindSight AI can provide universities and practices with valuable insights into the mental health needs of their population. This data can be instrumental in adjusting services, identifying at-risk groups, and improving overall mental health support strategies. Access to these insights and reports can be monetized as part of the contract or statement of work signed with universities.

While initially focusing on universities and private practices, MindSight AI can expand its services to corporate partners, offering employee assistance programs (EAP) that support workforce mental health. This broadens the monetization strategy beyond the educational sector.

By focusing on a B2B model, MindSight AI leverages the resources of institutions and practices to offer high-quality, free services to students. This approach not only provides a sustainable revenue model for the AI platform but also ensures that mental health resources are more accessible to those in need.

Limitations

Mindsight AI, while a pioneering approach to improving mental health support among college students, particularly international ones, encounters specific limitations. One of the main constraints is its dependence on self-reported data, which may not always provide a complete or accurate picture of an individual's mental state. The complexity and variability of mental health, shaped by an intricate mix of cultural, social, and personal factors, challenge the model's ability to accurately diagnose and understand every user's condition.

Furthermore, achieving cultural sensitivity remains a significant hurdle. The vast diversity among international students means the AI must navigate an extensive array of cultural nuances, a daunting

task for any automated system. This could potentially limit the model's effectiveness for certain individuals whose experiences and expressions of mental health issues do not align closely with the data or parameters the AI has been trained on.

Another limitation is related to data collection and privacy. The AI's need for continuous learning and improvement depends on access to large volumes of personal data, raising concerns about privacy, consent, and security. Ensuring the ethical handling of this data is crucial but also challenging in practice.

Lastly, there's a risk that users, and perhaps even providers, might over-rely on Mindsight AI for diagnosing and understanding mental health conditions. While the AI is designed to support early detection and facilitate connections with professional services, it cannot replace the nuanced understanding and therapeutic relationship offered by human mental health professionals. Balancing the use of AI with the irreplaceable value of human judgment and care is essential to effectively support students' mental health needs.

While Mindsight AI represents a significant advancement, we acknowledge its limitations, including the reliance on self-reported data and the challenges of achieving true cultural sensitivity. Nevertheless, our mitigation strategies and ongoing improvements aim to address these challenges head-on. The societal and ethical implications of our work, particularly in data privacy and accuracy, are at the forefront of our minds, guiding our commitment to responsible and beneficial AI development.

The mitigation strategies for overcoming limitations and making the most of the model were central to our strategy. These mitigation efforts include a plan to leverage university partnerships to gather follow-up data for students who were referred to providers using MindSight AI to understand if they had to find another provider for the same problem or if MindSight AI provided the correct resource needed for the circumstance. To ensure data privacy, Mindsight AI will be migrating away from the current GPT platform to instead be on a HIPAA compliant platform. In data security, the best way to protect data is not to store it, so only absolutely essential information will be stored, limited to only what condition Mindsight AI detected, which resource the patient was referred to, and whether this referral was effective for them. Given the limitations of non-human expertise in making definitive diagnoses, the priority of MindSight AI was around providing resources to patients rather than making medical conclusions on patient diagnosis and treatment plans.

Societal and Ethical Implications

Deploying Mindsight AI for early mental health detection brings significant societal benefits, such as democratizing access to mental health care and potentially reducing stigma, especially among international students. This accessibility could lead to a more inclusive educational environment where students feel supported in addressing their mental health needs. However, this advancement also introduces ethical dilemmas, particularly concerning data privacy and the management of sensitive personal information. The collection, storage, and processing of mental health data by AI systems

demand rigorous safeguards to protect against breaches and misuse. Furthermore, the accuracy of AI-driven diagnostics is crucial to avoid misdiagnosis or oversimplification of complex mental health conditions. Mismanagement of data or inaccuracies in diagnosis could erode trust in mental health technologies and have adverse effects on individuals seeking support. Therefore, alongside its promising societal contributions, Mindsight AI must navigate data privacy and accuracy challenges with utmost care, ensuring adherence to ethical standards and respect for the confidentiality and well-being of its users.

Conclusion

The development of an AI-assisted tool for detecting mental disorders in college students represents a promising advancement in the field of mental health support. By prioritizing early diagnosis and streamlining access to professional care, our solution addresses critical gaps in current service provision. Through strategic partnerships and continuous innovation, we are committed to expanding our impact and contributing to the well-being of students and the wider community.

Mindsight AI stands as a testament to the potential of artificial intelligence in transforming mental health support for college students, especially those coming from international backgrounds. Our innovative approach, grounded in rigorous research, ethical technology use, and a deep understanding of our target demographic, paves the way for a future where mental health care is accessible, efficient, and compassionate. Through continued innovation and strategic partnerships, Mindsight AI aims to broaden its reach, making a lasting impact on the well-being of students and the wider community.

Individual Contributions

Noah, our AI Developer and Researcher, spearheaded the technical development and conducted extensive research, contributing significantly to the project's technical design and evaluation. Fiona, serving as the Ethics and Compliance Officer, ensured our project aligned with ethical standards through thorough literature reviews. As the Project Manager, Isha guided the team through careful planning, coordination and execution, and played a crucial role in proposal writing. Victor, the Data Scientist, was instrumental in the chatbot's conceptualization and refinement, also leading the charge on demo creation. Lastly, Alice, our Business Developer, pinpointed market opportunities and crafted our monetization strategy, adding valuable business insights to our project.

References/Appendices

Appendix A

Prompt:

To craft a comprehensive AI prompt that ensures MindSight AI adheres strictly to the operational principles and immutable rules outlined, we need to integrate these requirements into the AI's core functionality. This ensures that the AI begins every interaction with the necessary introductions regarding HIPAA rights, confidentiality, and prompts for symptom information. Additionally, the AI must systematically follow through the process of gathering information, analyzing symptoms, and suggesting potential mental health conditions, all while adhering to the specified communication style.

MindSight AI Operational Prompt:

Welcome to MindSight AI, where we prioritize your confidentiality and are committed to assisting psychiatric providers in comprehensive assessments. Before we proceed, it's important to remind you of your HIPAA rights and assure you of the confidentiality of this conversation. Remember, if you or someone you know is in immediate danger or experiencing a crisis, please call the 988 suicide and crisis lifeline for support.

MindSight AI is designed to evaluate patient symptoms to assist psychiatric providers in making comprehensive assessments. Our conversation will adhere to a structured protocol to ensure the utmost accuracy and care in handling sensitive information.

Operational Protocol:

Initial Introduction:

Upon initiating interaction, MindSight AI will automatically introduce users to their HIPAA rights and guarantee confidentiality. This introduction will also include information about the 988 suicide crisis line. The first message from MindSight AI will always request the user to provide information regarding the patient's mental health symptoms and their frequency (less than half of days, more than

half of days, all the time). MindSight AI will then proceed to ask appropriate follow-up questions based on the initial information provided by the user.

Symptom Gathering and Analysis:

MindSight AI will systematically gather detailed information about the patient's mental health symptoms and their frequency. Subsequent probing questions will be structured to elicit comprehensive information. MindSight AI will analyze the provided symptoms and offer insights into potential mental health conditions that align with those symptoms, ensuring the assessment is comprehensive, impartial, and detailed.

Immutable Rules:

Communication Guidelines:

The tagline or subtitle accompanying MindSight AI interactions will always be: "Evaluates patient symptoms to assist psychiatric providers in comprehensive assessments."

Throughout the entire interaction, MindSight AI will refer to the subject of inquiry as "the patient" and will never use "you" or any direct address to maintain professionalism and objectivity.

Initial Message Standard:

The initial message standard, which includes the introduction to HIPAA rights, confidentiality assurance, and will be steadfastly upheld in every interaction. This ensures that every user is immediately informed of these critical elements before any further engagement.

By integrating these operational principles and immutable rules into the core functionality of MindSight AI, we ensure a consistent, reliable, and respectful interaction with users, prioritizing their confidentiality and the need for accurate, comprehensive mental health assessments.

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