PRANAV CHHABRA

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EDUCATION

B.S. in Computer Science with Distinction | **3.9 GPA**   [Expected Graduation: Dec 2024]

University of Wisconsin - Madison

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Deep Learning, Operating Systems

SKILLS

- **Languages & Tools:** Java, JavaScript, Swift, C, PHP, Git, JIRA
- **Web Development:** React.js, React Native, Next.js, Node.js, Express.js, Tailwind CSS, Material-UI
- **Databases & Cloud:** MongoDB, MySQL, AWS, Firebase, Google Cloud, Vercel, Stripe API, Clerk
- **AI & Machine Learning:** OpenAI, AWS Bedrock, Hugging Face, Pinecone, AWS Rekognition, GPT Vision API

DEVELOPMENT EXPERIENCE

Software Engineering Intern - TeammateME   **[Jul 2024- Present]**

- Collaborate with both web and app development teams to design, develop, and maintain scalable and efficient software solutions using *React.js, React-Native, Expo, Node.js*, and *MongoDB*.
- Enhance the SEO of the company's web platform, implementing best practices that improve site visibility and drive organic traffic.
- Participate in daily stand-up meetings and sprint planning, contributing to agile project management and ensuring timely delivery of features and bug fixes.

Software Engineering Fellow - Headstarter AI   **[Jul 2024 – Sep 2024]**

- Created and launched AI-driven web applications, including Profscore, PantryPal, and Calmify, using Next.js, Firebase, OpenAI, and Pinecone, with each app serving **150-200** users.
- Implemented AI features for personalized recommendations, real-time customer support, and image recognition, collaborating with cross-functional teams to ensure scalability and enhanced user engagement.
- Engaged in weekly knowledge-sharing sessions with industry experts from *Google.Meta, Y Combinator, Stanford, and Amazon*, gaining insights into advanced AI practices and innovative development techniques.

Software Engineering Extern - Capital One   **[Sep 2023- Dec 2023]**

- Led a **6**-member Agile team to develop the "MonsterRewards" iOS app using Swift and SwiftUI, enhancing user engagement by **20%** with innovative UI/UX design.
- Managed Agile processes with JIRA, improving team productivity by **10%** and reducing project timelines by **15%.**

Software Engineering Intern - AiRo Digital Labs   **[Jun 2022 – Aug 2022]**

- Developed automation programs using UiPath and VB.NET, reducing manual task execution by **30%** and saving **20** hours per week.

PROJECTS

Professor Rating & Finder (Team Project) | Github | Link   **[Aug 2024]**

- Developed an AI-powered rating platform using *React.js, Next.js, and OpenAI*, enabling **150+** users to search and filter professors by ratings and popularity, boosting search accuracy by **30%**.
- Integrated Pinecone for complex vector search and *Cheerio* with *Puppeteer* for web scraping, automating data extraction from Rate My Professor and populating the platform's database.
- Utilized *Hugging Face* for vector embeddings, enhancing search and recommendation capabilities for a personalized user experience.

Calmify AI: Flashcards for Mental Health Support (Team Project) | Github | Link   **[Aug 2024]**

- Created a web app using *Next.js* and *OpenAI* to deliver personalized emotional support flashcards, engaging over **250** users with tailored advice based on real-time mood analysis.
- Incorporated AWS Rekognition for facial emotion detection, increasing content relevance by **40%**, and utilized Firebase for secure user authentication and scalable access.

Pantry Tracker AI | Github | Link   **[July 2024]**

- Built a pantry management app with AI-driven recipe suggestions, reducing manual item input by **80%**.
- Integrated GPT Vision API for photo-based item recognition, processing images with **95%** accuracy.
- Optimized the interface using MaterialUI, enhancing loading speeds by **50%** and ensuring a seamless user experience.