

PRANAV CHHABRA

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EDUCATION

University of Wisconsin – Madison

[Graduated: May 2024]

B.S. in Computer Science with Distinction | 3.9 GPA

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

SKILLS

- **Languages & Frameworks:** JavaScript, Java, Python, Swift, React, React-Native, Next.js, Node.js, Express.js
- **Backend & Cloud:** MongoDB, MySQL, AWS (Lambda, S3, EC2, CloudFront, Route 53, Bedrock, SES), Firebase, Docker, Pinecone
- **AI & Automation:** OpenAI, GPT Vision, AWS Rekognition, UiPath, Hugging Face
- **APIs & Tools:** Stripe, Puppeteer, Cheerio, Git, GitHub, Agile/Scrum, TDD

DEVELOPMENT EXPERIENCE

Software Engineering Intern - TeammateME

[Jul 2024- Present]

- Prototyped and implemented features in full-stack applications, enhancing operational efficiency by **30%** and reducing load times by **15%**, showcasing adaptability in leveraging new technologies.
- Collaborated with product managers and designers to seamlessly integrate solutions, increasing feature delivery speed by **20%**, demonstrating strong cross-functional communication skills.
- Create comprehensive software documentation, including technical requirements and user manuals, to support project scalability.
- Participate in code reviews and applied design patterns, reducing code complexity and improving maintainability.

Software Engineering Fellow - Headstarter AI

[Jul 2024 – Sep 2024]

- Led a team of engineers across **4** AI-focused projects, leveraging cloud-native architectures and automation.
- Developed Calmify AI using OpenAI's GPT models and facial recognition, achieving **90%** accuracy for real-time mood detection.
- Built an AI-powered pantry management system that automated recipe suggestions, reducing manual input by **95%**.
- Developed AI-driven features for user engagement, such as personalized recommendation engines, improving data accuracy by **80%** and highlighting creativity in AI applications.
- Implemented AI-powered chatbot and NLP-driven solutions to improve response times by 30%, demonstrating interest and capability in AI advancements.

Software Engineering Extern - Capital One

[Sep 2023- Dec 2023]

- Developed “MonsterRewards” iOS app using Swift and SwiftUI, increasing user engagement by **20%**. Applied Agile practices to iterate on features and rapidly adapt to changing requirements.
- Integrated AWS services and optimized MongoDB queries for scalable backend solutions.
- Applied Agile methodologies, managed sprints, and delivered project **15%** ahead of schedule.

Software Engineering Intern - AiRo Digital Labs

[Jun 2022 – Aug 2022]

- Developed automation scripts using UiPath and VB.NET, streamlining business processes and reducing manual task execution by **30%**.
- Integrated automation tools with cloud services for data storage and processing, saving **20** hours per week for the operations team.

PROJECTS

Professor Rating & Finder | [GitHub](#) | [Link](#)

[Aug 2024]

- Developed Professor Rating & Finder using *Puppeteer* and *Cheerio* for web scraping and *Hugging Face* and *Pinecone* for AI-driven recommendations, improving data accuracy by **80%** and reducing average search time by **50%**, boosted user engagement by **25%**.
- Conducted code reviews and implemented software design patterns, improving code quality and maintainability.

Calmify AI: Flashcards for Mental Health Support | [GitHub](#) | [Link](#)

[Aug 2024]

- Built an AI-driven platform with GPT models and facial recognition for real-time mood detection, achieving **90%** accuracy.
- Integrated Stripe API for subscription management, enabling premium features and monetization.

Pantry Tracker AI | [GitHub](#) | [Link](#)

[Jul 2024]

- Designed an AI-powered pantry management system with real-time recipe suggestions, reducing manual input by **80%**.
- Optimized image recognition and performance for faster user interaction.

Personal Portfolio Website | [Github](#) | [Link](#)

[Mar 2024]

- Developed a personal portfolio website using React.js and AWS services, demonstrating skills in full stack development.
- Leveraged AWS Lambda and API Gateway to create a serverless backend, reducing latency and operational costs.
- Enhanced website performance with AWS CloudFront, decreasing load times by **50%** and improving user experience.
- Secured the website with AWS Certificate Manager, implementing automated SSL/TLS encryption for secure data transmission.