

# PRANAV CHHABRA

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## EDUCATION

B.S. in Computer Science, University of Wisconsin - Madison, USA

[Graduated: May 2024] **GPA: 3.85/4**

*Relevant Coursework: Building User Interfaces, Intro to Algorithms, Intro to Operating Systems*

## DEVELOPMENT EXPERIENCE

### Capital One – Capstone Partnership

#### App Development Team Lead & Scrum Master

[Fall 2023]

- Spearheaded a 6-member Agile team to develop "MonsterRewards," an iOS app using Swift and SwiftUI. Integrated game-like elements to achieve a 20% increase in user engagement and enhanced customer satisfaction by 10% through innovative UI/UX design with Figma.
- Applied Agile methodologies, managed daily stand-ups, sprint planning, and retrospectives using JIRA, reducing project timelines by 15% and boosting productivity by 10%.
- Optimized MongoDB queries and integrated AWS services for scalable backend solutions, significantly improving team cohesion and project delivery success.

### RPA Developer Intern - AiRo Digital Labs

[Summer 2022]

- Engineered automation programs using UiPath software, VB.NET, and RE Framework, reducing manual task execution by 30%, saving an estimated 20 hours per week, and decreasing administrative error rates by 25%.
- Developed and implemented an automated Invoice Processing System that matches incoming invoice orders against pending purchase orders, enhancing operational efficiency by 40% and reducing processing errors by 50% in the Accounts Department.
- Cultivated an in-depth understanding of UiPath software and Robotic Process Automation through a month of intensive training, applying this knowledge to the tasks and projects assigned.

## COURSE PROJECTS

### Personal Portfolio Website | [React.js](#), [HTML](#), [CSS](#), [JavaScript](#), [AWS](#)

[Spring 2024]

- Constructed a secure and scalable personal website. Key technologies included S3, Lambda, API Gateway, CloudFront, and Certificate Manager.
- Deployed a serverless backend using AWS microservices such as Lambda and API Gateway, enhancing efficiency, and reducing the need for server management.
- Boosted site speed by approximately 50% using AWS CloudFront, ensuring fast, global access.
- Amplified security through automated SSL/TLS management with AWS Certificate Manager, improving data transmission security.

### ScrollHub: Web Interface for Seamless Scrolling | [HTML](#), [Node.js](#), [Material-UI](#)

[Summer 2023]

- Independently designed and engineered ScrollHub, employing Agile methodologies to focus on user-centric, responsive design for seamless scrolling and intuitive navigation.
- Leveraged Material-UI to create a responsive and visually appealing user interface, streamlining the development process and ensuring cross-browser compatibility.
- Employed front-end technologies like HTML and Node.js, prioritizing scalability and performance optimization for future enhancements.

### Pet Products Online Store | [HTML](#), [CSS](#), [MySQL](#), [PHP](#)

[Fall 2021]

- Led a two-member team in the collaborative creation of a responsive e-commerce website prototype for pet products, employing HTML, CSS, MySQL, and PHP.
- Orchestrated the database design and integration, executed a user management system, and applied web development best practices to ensure seamless front-end and back-end interaction.

## SKILLS

**Technical:** Java, JavaScript, AWS, React.js, Material UI, Swift, SwiftUI, OOP, C, HTML, CSS, Git, MySQL, PHP, Agile, Jira, React Native

**Certifications:** Building Web Applications in PHP - University of Michigan [Nov 2021], Cybersecurity Roles, Processes & Operating System Security – Coursera [June - July 2021], Algorithms on Graphs - UC San Diego [Oct 2021]