

# Sahithya Hanumandla

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## EDUCATION

### Georgia State University

Master of Science in Computer Science, GPA: **3.8/4.0**

Atlanta, GA

Jan 2023 - Dec 2024

### B.V. Raju Institute of Technology

Bachelor of Technology in Computer science & Engineering, GPA: **9.75/10**

Hyderabad, India

July 2017 - May 2021

## EXPERIENCE

### Graduate Teaching & Administrative Assistant

Jan 2023 – Apr 2024

Georgia State University

Atlanta, GA

- Lab Instructor: Taught and mentored over 100 students in Python programming, providing hands-on guidance in CSC 1301, CSC 1302, and CSC 2720 courses, and significantly helping student engagement.
- Revamped the department's website with WordPress updates and **SEO** strategies, resulting in a **30% increase in user engagement**.
- Oversaw over 50 departmental inquiries weekly, administered front desk operations for a team of 20, and improved curriculum data collection efficiency by **25%**, streamlining processes for **faster access** and organization.

### Systems Engineer

Aug 2021 - Dec 2022

Tata Consultancy Services

Pune, India

- Created 20+ Angular UI components, ensuring cross-browser compatibility and **troubleshooting 95% of defects** through end-to-end testing.
- Boosted UI performance by **200%**, reducing load times from 4s to 1.5s, and enhanced accessibility by implementing WCAG standards.
- Refined Rest API interactions with custom directives, services, and Swagger, improving **response efficiency by 30%** and enhancing developer onboarding time by 40%.
- Designed responsive web layouts with SASS and Bootstrap, boosting **mobile engagement by 50%**.
- Led Agile sprints and participated in Code reviews,soaring **team productivity by 25%** and reducing sprint time by **one week**.
- Managed version control and **CI/CD** pipelines with Git and Azure DevOps, maintaining **100% code integrity**.
- Integrated **Webpack** for asset bundling, reducing build times by **30%**.

### Project Intern

Mar 2021 – June 2021

Tata Consultancy Services

Hyderabad, India

- Gathered requirements for a web-based application module in a 5-person team.
- Authored comprehensive **documentation**, including technical specifications and user manuals.
- Assisted in UI design and architecture, applying design principles that aided a **20% improvement** in module efficiency.
- Debugged and **resolved 30+** reported issues, enhancing system stability through effective **Root Cause Analysis**.
- Applied principles of **MVC architecture** in project development, ensuring a structured and scalable design.

## PROJECTS

### PromptSync | React, Lexical, Yjs, Firebase, Google Generative AI

- Created a collaborative text editor with real-time multi-user editing, **AI-driven insights**, and CRDT-based synchronization, boosting team collaboration by **40%**.

### My Blog | MongoDB, Express.js, React.js, Node.js

- Built a MERN stack blog application with secure **user authentication**, executing login/logout, upvoting, and commenting features, surging engagement by **30%**.

### Web Wise | Next.js, Redis, AI Integration

- A Next.js chat application supporting over 100 unique chats, integrating Redis for real-time **session management** to optimize chat history **retrieval by 40%**, and deployed a responsive UI that decreased message handling latency by **30%**.

### Recipe Magic | Flutter, Dart

- Developed a Flutter app to display recipes based on user preferences, incorporating a sleek UI and an extensive recipe database, enhancing user engagement with a **25% increase** in daily active users.

### Contentful CMS | React, Contentful API

- Designed a content management system using React with the Contentful API, allowing users to create, edit, and manage blog posts efficiently.

## SKILLS

C#, C++, CSS, HTML5, Java, JavaScript (ES6+), PHP, Python, SQL, TypeScript, Linux Programming, Angular, ASP.NET Core, Next.js, Firebase, Flutter, React.js,AJAX, React Native, Redux, Django, Bootstrap, Material UI, RxJS, UX, Tailwind CSS, NPM, jQuery, DOM, Jest, Swift, Spring Boot,Git, GitHub, AWS, Microsoft Azure, GCP, JSON, Kubernetes, Dynatrace, Docker, PostgreSQL, MongoDB, MySQL, SQL Server, NoSQL, Maven, Swagger, GraphQL, Google Analytics, CMS (WordPress), SEO, WCAG, microservices, Cross-Platform Development, Webpack, Android Studio, Eclipse, Figma, Postman, Jupyter Notebook, Microsoft Power Platform, SharePoint, Visual Studio, Visual Studio Code, IntelliJ IDEA, Agile, Scrum, Jira, Confluence, Azure DevOps