

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 Research & Teaching Assistant

Jan 2023 – Apr 2024

Georgia State University

Atlanta, GA

- Revamped the department's website using HTML5, CSS3, JavaScript, and WordPress, increasing user engagement by 30%.
- Designed production-quality mock-ups and prototypes for website features using Figma and implemented using Wordpress.
- Collaborated with stakeholders to gather requirements and deliver cost-effective, user-friendly solutions.
- Taught and mentored over 100 students Data Structures & Algorithms in Python programming

UI Engineer

Aug 2021 - Dec 2022

Tata Consultancy Services

Pune, India

- Developed **25+** reusable Angular UI components using TypeScript and Angular directives, ensuring cross-browser compatibility and resolving **100+** reported defects through comprehensive testing.
- Built mobile-first user interfaces using SASS, Bootstrap, and Angular Material, deployed across **10+** projects, resulting in a **50%** boost in mobile engagement.
- Conducted **200+** unit and end-to-end tests with Jasmine and Karma, achieving **100%** code coverage and ensuring application stability.
- Reduced initial load times by **40%** through lazy loading, code splitting, and Webpack bundling, supporting large userbase.
- Integrated RESTful APIs and backend services using RXJS Observables, optimizing data handling efficiency by **40%**, reducing API response latency, and ensuring seamless data management.
- Collaborated with a cross-functional team of **20+** developers, designers, and stakeholders across **35+** sprints to deliver interactive front-ends following Agile best practices.
- Managed CI/CD pipelines and version control with Git and Azure DevOps, conducting peer code reviews to ensure **100%** code integrity and adherence to coding standards.

Project Intern

Mar 2021 – June 2021

Tata Consultancy Services

Hyderabad, India

- Developed React-based modules with **100%** responsive and user-friendly interfaces, adhering to information architecture principles and Material-UI standards, improving design consistency and usability by **25%**.
- Conducted usability evaluations for over 30 stakeholders, gathering feedback and documenting technical requirements, resulting in a **20%** improvement in project alignment and delivery timelines.
- Enhanced module stability by resolving 30+ critical issues through root cause analysis and implementing efficient state management using Redux, boosting system reliability by **20%**.

PROJECTS

PromptSync | React, Lexical, Yjs, Firebase, Firestore, Google Generative AI, Tailwind

- Created a collaborative text editor with real-time multi-user editing, **LLM-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%**.

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++, HTML5, Java, JavaScript (ES6+), PHP, Python, SQL, TypeScript, Angular, 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, Elasticsearch, PostgreSQL, Firestore, MongoDB, MySQL, SQL Server, NoSQL, Maven, Swagger, GraphQL, Google Analytics, CMS (WordPress), Kubernetes, Docker, Kafka, Adobe Experience Manager, SEO, WCAG, microservices, Webpack, Android Studio, Figma, Postman, Jupyter Notebook, Visual Studio Code, Agile, Scrum, Jira, Confluence, Azure DevOps

CERTIFICATIONS & ACCOMPLISHMENTS

- * **Certifications:** Frontend Developer(React) from Hackerrank, RXJS7 from Udemy, Frontend Certifications from Coursera.
- * Smart India Hackathon Finalist