Sai Sravan AB

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EDUCATION

University of Cincinnati — **August 2023 — December 2024**
Master of Science in Information Technology | GPA: 4.0/4.0 — *Cincinnati, Ohio*

Guru Nanak Institutions — **July 2018 — July 2022**
Bachelor of Technology in Information Technology | GPA: 3.72/4.0 — *Hyderabad, India*

SKILLS

- **Languages**: C/C++, Java, Python, HTML/CSS, JavaScript, React JS, Angular, Next JS, SQL.
- **Developer Tools**: Jira, VS Code, PuTTY, Chrome Dev Tools, Postman, Git, Perforce.
- **Full-Stack Technologies**: MERN Stack and MEAN Stack.
- **Additional Skills**: Microsoft Office, Agile Methodologies, UI/UX Design, Data Analysis, Linux

EXPERIENCE

University of Cincinnati — **August 2023 — Present**
Graduate Teaching Assistant — *Cincinnati, OH*

- Instructed undergraduate courses in Information Security/Assurance and Computer Networks for over 200 students per semester, actively shaping curriculum development to ensure an immersive and impactful educational experience.
- Addressed and resolved over 50 student queries per week, providing individualized assistance to help students grasp complex concepts, resulting in a 20% improvement in average grades.

EPAM Systems — **July 2022 — July 2023**
Software Engineer | Client: EBSCO Information Services — *Hyderabad, India*

- Migrated a critical client project, Next UI, from React to Next.js, resulting in a 30% reduction in load times and improved overall user experience.
- Developed responsive web components using NextJS and optimized core web vitals following the best industry practices thereby improving largest contentful paint by 35% and first input delay by 42%.
- Managed backend operations using Node, ensuring seamless integration and functionality, contributing to the project's success by maintaining uptime of over 99.9%.
- Collaborated closely with a cross-functional team of 8 developers, designers, and product managers, actively participating in daily standups, code reviews, and knowledge sharing sessions to drive the successful delivery of the Next UI project.

EPAM Systems — **January 2022 — June 2022**
Software Engineer Intern | EPAM R&D lab — *Hyderabad, India*

- Collaborated on an internal project at EPAM with a team of 5 interns and successfully achieved 8 key milestones within a 6-month period, meeting all deadlines.
- Acquired advanced skills and expertise in Java, mastering core concepts like multithreading, collections, and design patterns to enhance project contributions by reducing technical debt by 25%.
- Acquired expertise in design principles and patterns, applying theoretical knowledge to real-world scenarios, contributing to the creation of a robust and scalable software solution used by over 10,000 employees at EPAM.

PROJECTS

Full-Stack Reddit Clone: Developed a Next.js web application replicating Reddit. Implemented features such as:

- Infinite scrolling for post loading, , ensuring a smooth browsing experience
- Secure authentication using NextAuth with seamless Google integration for enhanced user security
- Customized feeds tailored to authenticated users, providing personalized content recommendations.
- Leveraged Upstash Redis for advanced caching, optimizing performance and reducing load times.
- Comment system with nested replies, facilitating engaging discussions and interactions within the platform.

Hotel Reservation System: A MERN stack project showcasing proficiency in React, Node.js, and MongoDB. Implemented advanced features, including Context API, JWT for secure authentication, custom hooks, and a responsive React calendar. This full-stack application demonstrates expertise in modern web development technologies, contributing to the creation of a seamless and user-friendly hotel management system.

CERTIFICATIONS

- **Responsive Web Design Certification** - FreeCodeCamp
- **Meta Front-End Developer Professional Certificate** - Coursera
- **NodeJS - The Complete Guide (MVC, REST APIs, GraphQL, Deno)** - Udemy.