SOWMITH SRIPADI

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EDUCATION

Florida International University   **Miami, Florida**
Master of Science, Computer Science   Cumulative GPA: 3.67

EXPERIENCE

Accenture   **Hyderabad, India**
Software Engineer   August 2021 - December 2022
- Developed and optimized UI components such as data grids, modals, and charts using **React.js**, resulting in a 20% increase in user satisfaction and engagement.
- Streamlined application **state management** through **Redux**, reducing debugging time by 15% and improving scalability for enterprise applications.
- Implemented reusable front-end components and **custom hooks** using **React.js**, cutting development time by 25% and enhancing maintainability.
- Improved application performance by implementing **lazy loading, code splitting**, and optimized asset delivery, reducing page load times by 30%.
- Integrated **RESTful APIs** into front-end applications using **Axios**, improving data retrieval efficiency by 25% and enabling seamless user interaction.

Infor   **Hyderabad, India**
Software Engineer   June 2019 - August 2021
- Designed and built RESTful APIs using **Node.js** and **Express.js**, improving data communication between systems and reducing server response times by 20%.
- Tuned complex **SQL** queries by optimizing indexing and schema design, achieving a 30% reduction in database query execution time.
- Developed modular front-end features with **React.js**, reducing onboarding time for new developers by 20% and enhancing application scalability.
- Partnered with designers and backend engineers to create secure and responsive web applications, leading to a 15% increase in client satisfaction ratings.

Florida International University   **Miami, Florida**
Teaching Assistant   May 2023 - December 2024
- Created supplementary instructional materials and interactive modules, improving student engagement and comprehension by 25%.
- Guided undergraduate students through advanced coursework and practical applications, leading to a 30% improvement in midterm assessment scores.

PROJECTS

SocialCart | http://github.com/SowmithSripadi/SocialCart
- Built a **real-time shopping platform** using **React, Redux, and WebSockets (Socket.io)** for collaborative cart management, boosting user engagement by 40%.
- Implemented secure user authentication with **bcrypt.js** and integrated file handling via **Multer and Cloudinary**, ensuring robust data protection and streamlined media management.
- Leveraged **Node.js, MongoDB, and TailwindCSS,** reducing query response times by 30% while delivering a modern, responsive user interface.

TriedAndTested | http://github.com/SowmithSripadi/TriedAndTested
- Developed a blogging platform **integrating AI-generated** visuals, boosting user engagement by 20%.
- Leveraged **styled-components, Tailwind CSS, and Vite** for a fast, responsive UI, reducing page load times by 30%.
- **Integrated Clerk** for secure, frictionless user authentication, enhancing account management and overall platform stability.

SKILLS

- **Programming Languages:** JavaScript, HTML, CSS, Python, C++, C, Lua, Java, SQL, TypeScript, C#
- **Libraries & Frameworks:** React.js, Redux, Flux, Node.js, Express, EJS, Socket.io
- **Styling & UI:** CSS Modules, Styled Components, Tailwind CSS, Bootstrap, Material UI, Shadcn
- **Build, Tooling & others:** Vite, npm, Git, GitHub, Jenkins, Linux, Docker, Postman, MySQL, MongoDB, Canva, Figma, WordPress, Mocha, Splunk, Jest, jQuery
- **Concepts & Methodologies:** Data Structures & Algorithms, Object-Oriented Programming (OOP), Agile/Scrum Methodologies, WebSockets, NoSQL, REST API, CI/CD, Agile