SAI SRUJAN PENTA
Senior Software Engineer

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EDUCATION

NORTHEASTERN UNIVERSITY — Boston, MA, USA
Master of Science in Information Systems — Jan 2022 - Dec 2023

VELLORE INSTITUTE OF TECHNOLOGY — India
Bachelor of Technology in Mechanical Engineering — Jun 2015 - Apr 2019

SKILLS

Web Technologies: React.js, Next.js, Node.js, Express.js, TypeScript, SASS, Tailwind CSS, REST APIs, HTTP, Web API, AngularJS
Programming Languages: Python, Java, JavaScript, HTML, CSS, Web Services
Tools and Frameworks: VS Code, Moqups, Figma, Git, MySQL, jQuery, Linux/Unix, Mockups, UI/UX Design, Wireframe, Canva
Databases: MongoDB, SQL, RDBMS, DBMS, Data Analytics
Soft Skills: Leadership, Collaboration, Adaptability, Agile, Focused, Innovation, Accountability, Problem Solving, Creative

PROFESSIONAL EXPERIENCE

CAPGEMINI — Mumbai, Maharashtra, India
Senior Software Engineer — Apr 2021 - Dec 2021
- Optimized web application performance by deploying **React.js** for monitoring dashboards, achieving a **25%** reduction in issue resolution time, streamlining user experience and system efficiency.
- Led the development and integration of performance tracking tools on Fiori Launchpad, achieving a **50%** quicker issue identification, thereby enhancing decision-making processes and system responsiveness.
- Facilitated team development by conducting hands-on training sessions on **UI/UX** design principles and web technologies **(including JavaScript, HTML, and CSS),** boosting team proficiency and productivity in front-end development projects.

CAPGEMINI — Mumbai, Maharashtra, India
Software Engineer — Mar 2020 - Mar 2021
- Enhanced system uptime and achieved a **15%** reduction in critical incidents by proactively monitoring and managing system performance, utilizing **React.js** and **Node.js** to generate actionable insights for continuous improvement.
- Streamlined the development lifecycle by leading the configuration of a transport management system, ensuring efficient transitions from development through production environments, and fostering seamless project flows.
- Fostered effective collaboration across teams, clients, and stakeholders, leveraging **JavaScript, HTML,** and **CSS** in conjunction with **Agile methodologies** to facilitate clear communication and achieve positive project outcomes.

ACADEMIC PROJECTS

MERN Full Stack Project - Blog App (JWT, Redux Toolkit, CMS, Web Security) — Oct 2023 - Nov 2023
- Engineered a dynamic blog application leveraging the **MERN stack (MongoDB, Express.js, React.js, Node.js),** featuring **React.js** for an interactive frontend and secure **JWT** user authentication, significantly enhancing user engagement through a feature-rich, intuitive dashboard and robust security measures.
- Implemented **Google OAuth** within the app for simplified login, employing **Redux Toolkit** for efficient state management, which streamlined authentication processes and improved user experience, making content management seamless for both users and administrators.

RhythmHub - Music Application (React.js, Tailwind CSS, Redux, Restful API) — Apr 2023 - Jun 2023
- Developed RhythmHub, a Spotify clone, using **React.js** and **Tailwind CSS;** integrated **Redux** for state management and **Restful API** for music streaming, enhancing user experience via robust playlist management and authentication features.
- Optimized application performance and user engagement by implementing **advanced React.js functionalities** and **Tailwind CSS** for a responsive design, ensuring a seamless music streaming experience across devices.

Professional Portfolio Website (CI/CD, Front-end, Backend) — Feb 2023 - Mar 2023
- Engineered dynamic portfolio website with **React.js,** enhancing maintainability and engagement by **20%** through component-based architecture and responsive design, ensuring content relevance and multi-device compatibility.
- Optimized user accessibility and satisfaction by **30%** with responsive design using **CSS, SASS, Tailwind CSS,** and **Next.js,** improving performance and **SEO,** and expanding audience reach and interaction.

DreamHome - MERN Stack Website (React.js, HTML, CSS, JavaScript, MongoDB) — Oct 2022 - Dec 2022
- Developed responsive web pages using **HTML5, CSS3,** and **React Bootstrap,** achieving a **40%** improvement in mobile responsiveness, facilitated by **JavaScript** for interactive features, ensuring an optimized user experience across various devices and platforms.
- Transformed business requirements into a **dynamic MERN stack web application,** increasing user engagement by **25%** through **React.js** for **UI development** and **MongoDB** for efficient data management, including seamless integration of **Google Maps APIs** for enhanced functionality.