

SWATHI RAJENDRA PRASAD

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EDUCATION

University of Southern California Los Angeles, United States
Masters in Computer Science August 2023-May 2025

- Relevant course work: Data Structures and Algorithms, Database Management System, Web Technologies, Advanced Data Stores, Information Security, Advanced Mobile Devices and Game Consoles, and Information Retrieval and Web Search Engines

Nitte Meenakshi Institute of Technology Bengaluru, India
Bachelor of Engineering in Information Science and Engineering August 2016-September 2020

Relevant course work: Data Structures and Algorithms, Database Management System, Object oriented programming, Software Engineering, Web Technologies, Distributed Systems, Security Software Development, and Java programming

SKILLS

HTML5, CSS3, Tailwind CSS, Bootstrap, JavaScript (ES6+), TypeScript, React.js, Angular, Redux, Vite, AJAX, Node.js, Express.js, RESTful APIs, MongoDB, MySQL, Python, Java, Git, CI/CD, AWS, NPM, Jest, React Testing Library, AI Integration, User Interface Design

WORK EXPERIENCE

Revoseven Technologies Bangalore, Karnataka
Web Application Developer May 2022-July 2023

- Led the implementation of a key web application feature with JavaScript, React, Node.js, and Express.js, proactively overcoming technical challenges and coordinating with the team to increase user engagement by 30%
- Spearheaded the architecture and deployment of a cloud-native RESTful API using Node.js on AWS, collaborating with cross-functional teams to set up load balancing, lowering response time by 60% and enhancing system reliability

Revoseven Technologies Bangalore, Karnataka
Junior Web Application Developer September 2020-September 2021

- Took ownership of the frontend development, building and improving UI features with JavaScript, HTML, CSS, and Bootstrap. Worked closely with the design team to boost user engagement by 20% and diminishing bounce rates by 15%
- Mitigated 35% of client-side bugs by leading unit testing and introducing JavaScript error boundaries, while collaborating with developers and QA to improve performance, reliability, and user trust in a scalable environment

ACADEMIC PROJECTS

Quick-Serve: Food Ordering & Delivery Tracking Los Angeles, California
MERN Stack| MongoDB, Express.js, React, Node.js,TypeScript January 2025-February 2025

- Developed a food ordering platform using Vite, React, Node.js, and MongoDB, increasing order efficiency by 40% and reducing manual processes by 30% through real-time order management and RESTful APIs
- Configured Gemini AI chatbot for personalized meal suggestions, elevating engagement by 50%, with Auth0-secured login, Stripe and Cloudinary APIs for payments and media handling, and 98% test coverage across modules

YelpCamp: Full-Stack Web Application for Camping Enthusiasts Los Angeles, California
EJS, Bootstrap, JavaScript, Node.js, Express.js, MongoDB November 2024-December 2024

- Built a full-stack web application using JavaScript, Express, Node.js, and MongoDB enabling users to explore, add, and review campgrounds, and boosted user engagement by 30% with a dynamic, responsive UI
- Established secure authentication with Passport.js and incorporated interactive maps via MapTiler Cloud, utilizing Bootstrap for a responsive, mobile-optimized design, elevating user retention by 40%

Real-Time Stock Monitoring App Los Angeles, California
Swift, JavaScript, Node.js, MongoDB, Custom UI April 2024-May 2024

- Crafted a real-time stock tracker in Swift, reducing analysis time by 30% and lifting retention by 25%. Built the Node.js backend, integrated MongoDB, and employed Finnhub API for streamlined data processing and a responsive UI/UX

Stock Insights: Angular-Powered Market Analysis Los Angeles, California
Angular, Node.js, MongoDB, Gemini AI, JavaScript, TypeScript February 2024-March 2024

- Engineered an Angular-based stock analysis platform using Finnhub API, Node.js, and MongoDB, optimizing data retrieval by 35%. Leveraged AJAX requests with Axios to optimize data retrieval, cutting loading times by 40%
- Introduced Gemini AI for real-time stock insights, enabling users to query stock data and driving engagement by 40%. Incorporated Highcharts for interactive data visualizations and utilized RESTful APIs for efficient backend communication