

Swati Saxena

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EDUCATION

California State University, San Bernardino

San Bernardino, CA

Masters of Science in Computer Science

May. 2025

GPA: 4.0/4.0

Lovely Professional University

Punjab, INDIA

Bachelor of Technology in Computer Science

Jul 2020

GPA: 3.16/4.0

TECHNICAL SKILLS

Programming Languages: Javascript, Java, Python, Typescript, HTML, CSS, MySQL

Courses: Data Structure & Algorithms, Database System, Software Engineering, Operating Systems, AI

Frameworks & Libraries: NodeJS, React, Redux, socket.io, VueJS, Material-UI, Antd, chartJS, MongoDB, Django

Developer Tools: Git, VS Code, Jira, Figma, Azure DevOps

Certifications: Algo Expert, javascript web Projects, Data Science Nanodegree(Udacity)

EXPERIENCE

Software Engineer

Apr 2023 – July 2023

OPTX India Private Limited

Chennai, India

- Spearheaded a 10-member team to revolutionize enterprise operations, driving a 15% increase in user engagement and a 20% reduction in dispatch errors through seamless data access and automated event tracking.
- Innovatively redesigned UI features, boosting site performance by 25% and enhancing user experience, resulting in a 30% increase in user retention and productivity.
- Developed and integrated cutting-edge features utilizing ReactJS, Redux, JavaScript, TypeScript, and amCharts, enhancing functionality by 40% with Computer Vision integration, while ensuring code quality through Sonar Cloud pipelines.

Software Engineer

Nov 2020 – Apr 2023

Snapbizz Cloudtech Private Limited

Bengaluru, India

- Led cross-functional collaboration to architect an automated retailer dashboard, streamlining operations and fostering synergy between development and business units, resulting in a 15% increase in efficiency and communication.
- Designed a comprehensive retailer portal dashboard, incorporating inventory management, stock transfers, and purchase invoice tracking functionalities, resulting in a 20% decrease in errors and enhanced data accuracy.
- Developed a feature using ReactJS, JavaScript, Node.js, MongoDB, Rest API, MySQL, HTML, and CSS to create an intuitive retailer dashboard. Prototyped for user feedback, leading to a 25% increase in user satisfaction.

PROJECTS

REAL-TIME CODE SYNC: A Collaboration Tool | *WebSocket, NodeJS, ReactJS*

Jan 2024 – Feb 2024

- Developed a robust real-time code synchronization tool for seamless collaboration among multiple users, enabling collective work on code projects in real-time.
- Spearheaded the implementation of essential room management functionalities, including the creation of unique room IDs, convenient room ID copying, and smooth room exit procedures, ensuring a hassle-free user experience.
- Built using WebSocket, NodeJS, ReactJS, and ExpressJs, enabling instant bidirectional communication for real-time code updates.

BLOGCONNECTOR: A Social Application | *React, Redux, NodeJS, MongoDB*

Aug 2023 – Sep 2023

- Developed Blog Connector, a secure social application enabling user sign-up and sign-in with robust JWT-based authentication.
- Implemented user profile customization, allowing users to add their experiences and projects. Additionally, users can explore other bloggers' profiles, access a social media platform, and post blogs. They can interact with blog posts by liking, disliking, and leaving comments.
- Utilized a technology stack that includes React, Redux, RestAPI, Nodejs, CSS, HTML, and MongoDB to build a dynamic and user-friendly social platform.