

Saurabh Sawant

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SUMMARY

Full-stack developer with 3+ years of experience crafting scalable web applications using React.js, Next.js, Node.js, and Python. Skilled in designing intuitive UIs, secure back-end systems, and cloud-based solutions, with a keen interest in generative AI. Proven success in API development and database optimization, delivering user-focused, high-performance projects.

EDUCATION

Drexel University, Philadelphia, USA	01/2024 – 06/2025
Masters of Science, Computer Science	GPA: 3.9/4.0
Goa College of Engineering, Goa, India	08/2016 – 09/2020
Bachelors of Engineering, Computer Engineering	

WORK EXPERIENCE

Drexel University, Teaching Assistant	08/2024 – Present
– Acted as Scrum Master for 15+ student teams, coordinating sprint planning, progress tracking, and timely project delivery.	
– Facilitated hands-on labs and enhanced student understanding of core software engineering concepts.	
Spintly Inc, Software Engineer	11/2022 – 12/2023
– Built a real-time analytics dashboard using React.js and Chart.js , improving operational efficiency by 30% .	
– Developed multiple REST APIs using Node.js and Express.js to support core platform functionality, enhancing system performance and scalability	
– Implemented Server-Sent Events (SSE) APIs to boost user engagement by 15% among daily users.	
– Deployed backend services on AWS EC2 using Docker containers and managed automated CI/CD pipelines with Jenkins , ensuring smooth and reliable deployments.	
AstraSys.In, Software Engineering Intern	04/2022 – 10/2022
– Developed client-facing web applications using React.js and Node.js , enhancing scalability and UX.	
– Led project deliveries for multiple clients, launching 2 web apps within 6 months.	
– Interacted with clients to gather requirements and ensure successful project outcomes.	
Inet Computer Services, Software Engineer	04/2021 – 03/2022
– Contributed to the development of 5+ government web portals, improving access for 100,000+ citizens.	
– Collaborated on backend development and UI optimization to enhance usability and performance.	

PROJECTS

Personal Finance Management Web App	02/2025 – Present
– Designed a personal finance platform leveraging Generative AI to offer real-time insights on savings, expenses, and investments.	
– Built using Next.js for a responsive UI and Supabase for secure data management and backend operations.	
Natural Language to SQL Query Generator	08/2024 – 09/2024
– Fine-tuned the Meta-Llama-3.1-8B model to convert natural language questions into accurate SQL queries for relational databases.	
– Built an intuitive Streamlit application to make the model accessible to non-technical users, enabling seamless database querying without writing SQL.	

TECHNICAL SKILLS

Frontend:	Next.js, React.js, Tailwind CSS, TypeScript
Backend:	Node.js, Express.js, Flask, Django, Python
Databases:	Supabase, PostgreSQL, MySQL, MongoDB, Firebase
DevOps & Deployment:	AWS (EC2, Amplify, Lambda), GCP, Vercel, Docker, Jenkins
Tools & APIs:	Git, GitHub, Jira, Postman, RESTful APIs, GraphQL, Swagger

CERTIFICATIONS AND AWARDS

Post-Baccalaureate Certificate in Computational AI & ML, Drexel University
CCI Dean's Scholarship, Awarded by Drexel University