

Skills

- **Programming Languages** : Python, C, C++, C#, HTML, Javascript, CSS, TypeScript, Go, Java
- **Libraries and Frameworks** : Next.JS, Express.js, Spring Boot, React, Redux, .NET, Firebase, Node.js
- **Tools** : CI/CD, AWS, Docker, Kubernetes, No SQL, Selenium, MongoDB, MySQL, PostgreSQL, SQL, Microservices, Git, REST API, postman, GitHub, MERN, MEAN, Excel

Experience

Software Development Engineer

Dec 2025 - Present

Sunstone

- Built and scaled an internal **student assessment & analytics dashboard** using **React, Node.js, and SQL**, supporting **1,000+ learners** and improving evaluation throughput by **40%**.
- Implemented **RBAC, automated grading pipelines, and reusable UI components**, reducing manual intervention by **45%** and improving platform reliability by **35%**.
- Taught **MERN stack and DBMS** through hands-on, production-style labs and projects for **500+ students**, increasing assignment accuracy and on-time submissions by **30%**.

Frontend Developer

Jul 2025 - Oct 2025

Authority Entrepreneurs

- Built and customized high-traffic **GoHighLevel** funnels using **React**, improving lead capture **efficiency by 32%** through refined **UI flow, routing**, and form interactions.
- Refactored **8+ funnel pages** into modular, reusable React components, reducing front-end load time by **18%** and improving Lighthouse accessibility scores by 25%.
- Integrated **GoHighLevel Forms** with custom **Node.js REST APIs**, strengthening data pipelines and reducing submission failures by 40% across production funnels.

Software Development Engineer

Oct 2024 - Jul 2025

Rakatu

- Engineered key web modules using **React, HTML/CSS, and Spring Boot microservices**, enhancing UI responsiveness and cutting load times by **20%** across critical pages.
- Orchestrated **REST-based microservice** interactions and upgraded data pipelines, increasing service reliability and reducing response latency by **25%**.
- Implemented secure credential workflows using **PAM tools like Password Safe**, enabling automated password rotation and strengthening access control across internal systems.

Projects

SQL Text Converter | Python, Flask, React, JavaScript, CSS, MySQL

🔗 <https://github.com/harsh-sangwan2002/sql-text-converter>

- Engineered an AI-powered query converter using **Python** and **Flask** that translates natural language into streamlined **SQL** queries, improving user efficiency by **30%**.
- Devised an intelligent response system with **React** and **JavaScript**, enhancing interactive UX and boosting user engagement by **25%**.
- Integrated comprehensive security features in a **Node.js and Express** backend, leveraging **JWT** authentication, data sanitization, and request validation.

Education

Maharaja Surajmal Institute of Technology

2024

BE/B.Tech/BS

CGPA - 9.1