

Skills

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

Experience

Software Development Engineer

Jan 2026 - Present

Sunstone (ALTA School Of Technology)

- 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%**.
- **Mentored and guided 500+ students** in full-stack development concepts and DBMS through hands-on labs, real-world project work, and structured assessments, leading to improved submission quality and learning outcomes.

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

Nov 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