Harshit Tiwari

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Experience

Abhi Loans   **July 2025 – Present**
Software Development Engineer I (SDE 1)

- Built an internal **CRM portal** and automated SST workflows, reducing operational costs and manual effort.
- Owned the complete **post-loan process** including payments, mandates, settlements, and reconciliations.
- Optimized critical DB queries and improved API performance across major services.
- Developed scalable REST APIs using **NestJS, Drizzle ORM, PostgreSQL** and integrated financial APIs (MF Central, KFintech, Decentro).
- Designed a fast reporting system with conditional pagination, S3 storage, and CSV generation.
- Contributed to microservices migration and deployed serverless workloads on **AWS Lambda**.

Banaras Locomotive Works   **June 2023 – July 2024**
SDE-Intern

- Built internal dashboards for multiple teams using **Next.js** and modern frontend best practices.
- Worked extensively with **complex SQL queries** to improve data visibility and reduce retrieval time.
- Developed an internal **equipment tracking and logging portal** for real-time monitoring.
- Developed and optimized RESTful APIs and contributed to deployment and DevOps workflows.

Skills

Languages: C, C++, HTML/CSS, Python, JavaScript, SQL, NoSQL
Developer Tools: VS Code, GitHub, Linux, GitLab, Google Sheets
Technologies/Frameworks: ReactJS, Node.js, MongoDB,Express.js, AWS, Next.js, NestJS, Docker, DrizzleORM, Selenium, Jest, Microservices, AWS Lambda, Authbridge, MF Central API, Decentro KYC
Soft Skills: Teamwork, Communication, Adaptability, Leadership, Problem Solving

Projects

ChatBot — Song Recommender ⭘ | *Python, CakeChat, React.js, IBM Tone Analyzer, Last.fm API*   **Sep 2023**

- Built an intelligent chatbot that recommends songs based on **NLP** and user sentiment analysis.
- Integrated IBM Tone Analyzer and Last.fm API for real-time mood detection and song suggestions.

Fashion Store Web App ⭘ | *React.js, Node.js, MongoDB, Express.js, ORM, Zod*   **July 2023**

- Developed a fully functional MERN e-commerce platform with authentication, cart, filters, and product management.
- Integrated secure payments and built a complete **Admin Dashboard** for order and inventory tracking.

College Administration System ⭘ | *React.js, Node.js, Express.js, MySQL*   **June 2023**

- Built a college management system supporting **student, faculty, exam, attendance, and records** modules.
- Implemented **role-based access control (RBAC)** with separate dashboards for admin, faculty, and students.
- Added **real-time video calling** for seamless faculty–student interaction and support sessions.

Education

Institute Of Engineering And Technology, Agra   **Nov 2020 – July 2024**
B.E. in Computer Science and Engineering

Professional Highlights

Hands-on with **AWS (S3, Lambda, EC2, ECS, RDS)** for deploying scalable backend systems.

Experience building fintech products: KYC, payments, mandates, settlements, reporting.

Developed internal CRM portals, SST-based automations, and reporting architectures.

Optimized SQL queries and improved API performance in production systems.

Solved **150+ LeetCode** problems (DSA, problem-solving).