

HARSH BOHRA

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

B.Tech in Computer Science with Specialization in Information Technology - SRM Institute of Science and Technology, Kattankulathur | CGPA: 8.4

PROFESSIONAL SUMMARY

Results-driven Software Development Engineer (SDE) Intern with proven production experience delivering 2 enterprise-grade full-stack portals serving 1,000+ employees. Proficient in Node.js, Express.js, REST APIs, JWT Authentication, Role-Based Access Control (RBAC), and MySQL. Independently managed end-to-end Software Development Life Cycle (SDLC) at CKA Birla Group, reducing manual workflows and improving operational efficiency.

EDUCATION

B.Tech - Computer Science with Specialization in Information Technology, SRMIST, Kattankulathur | 2024 - 2028

CGPA: 8.4

CBSE Class XII, St. Anselm's Senior Secondary School | 2024

Percentage: 77%

CBSE Class X, S.TECH IT School | 2022

Percentage: 91.8%

EXPERIENCE

SDE Intern, CKA Birla Group - Orient Paper & Industries Ltd. | Jun 2026 - Present

- Architected and deployed a Vehicle Requisition Management System (VRMS) that digitized end-to-end vehicle approval workflows for 1,000+ employees, eliminating 100% of paper-based requisitions using Node.js, Express.js, MySQL/TiDB Cloud, REST APIs, JWT Authentication, and RBAC.
- Engineered a 4-tier approval workflow engine (Employee to HOD to GM-HR to COO) with delegation, requisition lifecycle management, audit trails, fleet allocation, real-time status tracking, and automated email notifications via Brevo Transactional Email API.
- Designed and currently deploying a Customer Quality Complaint Management Portal using CAPA methodology, enabling complaint registration, root cause analysis (RCA), 3-level approval matrix, and document management for 2 user groups: internal quality teams and external vendors.
- Solely owned full SDLC across both portals: requirement gathering, database schema design, REST API development, Cloud Deployment on Render via Git/GitHub, and end-to-end testing, delivering production-ready systems within internship timeline.

TECHNICAL SKILLS

Languages: C, C++, Java, SQL, JavaScript

Backend: Node.js, Express.js, REST APIs, JWT Authentication, RBAC, CRUD Operations, Version Control

Frontend: HTML, CSS, Tailwind CSS, JavaScript, Full-Stack Web Development

Databases & Tools: MySQL, TiDB Cloud, Git, GitHub, Render, Brevo API, VS Code, IntelliJ IDEA

Concepts: Data Structures and Algorithms (DSA), OOP, Backend Architecture, Workflow Automation, CAPA, SDLC, Agile Development, Cloud Deployment

PROJECTS

Vehicle Requisition Management System (VRMS) | Node.js, Express.js, MySQL, JWT, RBAC, REST API, Brevo, Render

- Sole developer of a production-grade enterprise portal with 4 role-based dashboards (Employee, HOD, GM-HR, COO/CEO), serving 1,000+ employees across departments, delivered from system design to Cloud Deployment.

Customer Quality Complaint Portal (CAPA) | Node.js, Express.js, MySQL, JWT, RBAC, REST API | Ongoing

- Ongoing enterprise quality management system implementing CAPA methodology with RCA module, 3-tier approval workflow, document management, and audit trail, supporting both internal compliance teams and external vendor resolution.

Smart Inventory Management DBMS | Java, Java Swing, JDBC, MySQL, Git

- Developed a desktop database management system using Java Swing and MySQL, featuring a custom animated GUI, role-based dashboards, automated activity auditing, and supplier-order workflows. Source code available on GitHub.

ACHIEVEMENTS & ACTIVITIES

- Competed in TCS CodeVita Season 12 ; solved structured programming problems across competitive platforms using C, C++, Java.
- Hackathon participant in DAYZERO 2.0 with Team 'CTRL C & V Reloaded' on Devfolio.
- Project Leader for a 4-member team developing VitalVault (a healthcare digital locker) and a Smart Inventory Management System utilizing multi-module relational databases.
- Secured 3rd place in the Inter-Hostel Carrom Tournament during freshman year; contributed to civic health by donating blood at the college NCC camp.
- Participated in a Social Responsibility Role-Play focused on environmental advocacy and raising awareness for the preservation of the Aravalli Range.