Siddhant Malik

Sejalmishrawork@gmail.com — +91-9958441552 — linkedin.com/in/siddhantmalik02

Objective

Detail-oriented software developer with strong foundations in Data Structures & Algorithms, Object-Oriented Design, and backend engineering using Java and Spring Boot. Seeking an SDE role to build scalable backend systems, write clean code, and take ownership in a fast-paced engineering environment.

Education

Vellore Institute of Technology, B.Tech in Electrical and Electronics Engineering *2022 – Present*
Relevant Coursework: Data Structures, OOP, OS, DBMS, CN, Microprocessors, Embedded Systems

Prabhu Dayal Public School, Delhi
Class X: 86%　—　Class XII: 81%

Experience

Backend Development Intern — Code For Success (Remote) *2025*
- Built scalable REST APIs using **Java, Spring Boot** with Controller–Service–Repository architecture.
- Implemented validation, exception-handling, and modular backend components.
- Integrated MySQL using JPA/Hibernate and optimized API-level database interactions.
- Collaborated via Git, performed code reviews, and followed Agile development workflows.

VLSI Intern — VIT Systems Lab (Online) *2024*
- Implemented basic Verilog modules and functional testbenches for digital circuits.
- Observed verification workflows and assisted in documentation and simulation tasks.

Projects

RFID-Based Solar Highway Toll and Access System *IoT + Embedded*
- Engineered an RFID-based automated tolling and access system using Arduino.
- Integrated solar-powered DC–DC converter for power-efficient operation.
- Published **2 research papers** demonstrating system performance and design.

Odesa Movie Booking System *Java + Spring Boot + React*
- Built backend microservices with REST APIs, JWT authentication, and MySQL integration.
- Designed layered architecture for users, movies, shows, seats, and booking management.
- Developed a responsive frontend using React.js and integrated it with backend APIs.

Backend API Service (Practice Project) *Java + Spring Boot + MongoDB*
- Created CRUD APIs with proper exception handling, validation, and clean architecture.
- Worked with MySQL/MongoDB and used Postman for API documentation and testing.

Technical Skills

Core CS: DSA, OOP, OS, DBMS, CN
Languages: Java (Primary), Python
Backend: Spring Boot, Servlets, JDBC, JPA/Hibernate, REST APIs
Frontend: HTML, CSS, JavaScript, React.js (Basics)

Databases: MySQL, MongoDB
DSA: 400+ Problems (LeetCode/GFG)
Tools: Git, Linux, Postman, VS Code, IntelliJ

Clubs & Leadership

Robotics & Innovation Club, VIT *2022 – 2024*
- Contributed to embedded and automation projects; led juniors in Java and DSA basics.

Technical Volunteer — Techfest Events
- Assisted in organizing hackathons, project expos, and programming competitions.

Additional Qualifications

- Strong understanding of Data Structures & Algorithms.
- Proficient in Java backend development with Spring Boot.
- Familiar with full-stack fundamentals using React.
- Quick learner, effective communicator, and strong team collaborator.