SATYAM SINGH

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Aspiring Java Developer Intern with strong programming skills in Java, object-oriented design, and back-end development. Hands-on experience on building software systems, REST APIs, and working with databases. Passionate about building scalable, maintainable software solutions.

Experience

Walmart USA - Advanced Software Engineering (Simulation) | Apr 2025 - May 2025

• Completed a job simulation by implementing a novel heap data structure in Java, demonstrating strong algorithmic and problem-solving skills.

• Designed UML class diagrams and created an ERD for a new database, showcasing skills in data modeling and system architecture relevant to MLOps pipelines.

PROJECTS

Face Recognition Attendance System — Python
- Developed an automated attendance system using **facial recognition** with OpenCV and dlib.
- Implemented **real-time face detection, matching, and timestamped attendance logging**.
- Built a simple **UI with Flask/Streamlit** for user enrollment, monitoring, and report generation.

Library Management System — Java + MySQL
- Built a **full-stack desktop application** for managing library inventory and transactions.
- Implemented **CRUD operations** with JDBC and MySQL for reliable data handling.
- Designed an interactive **GUI using Java Swing** for user-friendly access.

E-Commerce Website Backend — Spring Boot
- **Developed a robust RESTful API** to handle product catalog, user accounts, and order processing, enabling seamless communication between frontend and backend services.
- **Integrated Hibernate ORM with MySQL** to design normalized schemas, manage relationships, and ensure scalable, efficient, and reliable data persistence.
- **Implemented modular, secure, and testable architecture** by following MVC principles, adding role-based authentication/authorization, and writing unit/integration tests for maintainability.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, HTML/CSS ,Tailwind CSS, MySQL
Libraries: Pandas, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, React (basic)
Tools & Platforms: Git, Docker, VS Code ,PowerBI,Tableau, Excel, Google BigQuery (basic)
Soft Skills: Critical Thinking, Communication, Team Collaboration, Attention to Detail, Problem- Solving, Adaptability

EDUCATION

Bachelor of Technology in Computer Science & Engineering
Shri Ramswaroop Memorial University, Lucknow — Aug 2022-Present
CGPA: 7.08 / 10 (Current)

CERTIFICATIONS

- Sky Scanner Front-End Software Engineering Job Simulation Forage - April 2025
- JP Morgan & Chase Co. Software Engineering Job Simulation Forage – August 2025
- Accenture Developer and Technology Job Simulation Forage – August 2025