AAYUSH SINHA

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Objective

*M*otivated 4th-year Computer Science student specializing in Artificial Intelligence and Machine Learning, with a strong foundation in programming, data structures, and databases. Proficient in Java and SQL. Completed a Java internship at Infosys, where I developed a Fuel Agency Operations Unit, specifically working on the customer booking system to automate gas cylinder distribution and streamline operations. Eager to apply my skills to real-world challenges and grow through collaboration with industry experts.

Education

Bachelor of Technology, Narula Institute of Technology, Kolkata **2022 – 2026**
CGPA:7.90/10 [Till 5th Sem] Kolkata, WB

Intermediate (CBSE), Indian Public School, Purnea **2020 – 2022**
Percentage: 69.4% Purnea, Bihar

High School (CBSE), SR DAV Public School, Purnea **2019 – 2020**
Percentage: 80% Purnea, Bihar

Experience

Java Developer Intern **Infosys Springboard**
Remote *November 2024 – January 2025*

- Developed a booking system using **Java** to automate gas cylinder reservations with business rules.
- Used **JDBC** and **MySQL** to handle customer data, booking history, and billing records efficiently.
- Implemented logic to auto-generate bills with surcharge calculations for excess bookings (20% extra).
- Enabled dynamic payment mode updates for confirmed bookings.
- Applied OOP concepts to build clean, modular backend code for real-world operations.

Skills

Technical Skills	Java, MySql, Python
Databases	MySQL, SQLite
Developer Tools	Git/GitHub, IntelliJ IDEA, Visual Studio Code
Academic Coursework	OOP, Data Structures & Algorithms,DBMS
Certification	Microsoft Certified: Azure AI Fundamentals, Java Foundation (Infosys Springboard), Agile Software Development (Infosys Springboard)

Projects

Car Accident Detection & Alert System:

Developed as a group project with 4 members, this system detects car accidents and automatically alerts the nearest police station and hospital with real-time GPS location. The project addresses the critical issue that nearly 70% of road accident deaths in India are due to delayed emergency response. It integrates GPS modules and messaging APIs to dispatch alerts instantly upon collision detection. Tools used include Java, Python, GPS API and MySQL.

Invoice Processing System:

Designed and implemented an Invoice Processing System to automate billing and record management for business transactions. The backend was developed using Java, Hibernate, and MySQL for efficient data persistence and retrieval. A minimal frontend was created using React to enable user interaction and dynamic invoice generation.