AAYUSH SINHA

aayush.10sinha@gmail.com ◇ Linkedin ◇ Github

OBJECTIVE

Highly motivated 3rd-year Computer Science student specializing in Artificial Intelligence and Machine Learning with a strong foundation in programming, data structures and algorithms. Skilled in SQL queries and databases. Eager to contribute to technology-driven solutions and innovative projects while continuously learning from industry experts to deliver tangible outcomes.

EDUCATION

Bachelor of Technology, Narula Institute Of Technology, Kolkata   **2022 - 2026**
CGPA: 7.81/10   Kolkata ,WB

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

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

SKILLS

Technical Skills	C, Java, Python, HTML, CSS, JavaScript
Framework/Libraries	JDBC, Thymeleaf, Bootstrap, JQuery
Databases	MySQL, SQLite
Developer Tools	Git/Github, Visual Studio Code, IntelliJ IDEA
Academic Coursework	OOPs, Data Structures and Algorithms, Operating Systems, Computer Networks
Certification	Microsoft Certified: Azure AI Fundamentals, Java Foundation Certification (Infosys Springboard), Agile Software Certification (Infosys Springboard)

PROJECTS

Hospital Management System. Developed a Hospital Management System using Java and MySQL to streamline hospital operations. Designed features for managing patient records, appointments, and billing, improving data access efficiency by 30%. Implemented database connectivity using JDBC, ensuring secure and efficient data transactions. Enhanced application performance by optimizing queries and integrating automation solutions, reducing load time by 25%. (Project Link)

Car Rental Service. Developed a Car Rental Service application using Java and OOP concept to manage vehicle reservations and customer data. Designed and implemented features for vehicle booking, user authentication, and payment processing, increasing booking efficiency by 40%. Optimized application performance through efficient query handling, reducing response time by 20%. (Project Link)

ACHIEVEMENTS

Smart Bengal Hackathon 2024 - Finalist(Team Lead)   **Team Size - 06**
Road Saviour - As the team lead of a group of 6, I spearheaded the development of a Smart Road Accident Detection System, which was selected as a finalist from over 500 teams in the Smart Bengal Hackathon 2024. Our innovative solution aimed to enhance road safety by detecting accidents in real time and alerting authorities, leveraging the power of IoT and embedded systems.

NSS Waste Management Competition 2024 - 1st Position   **Team Size - 04**
Automated Dustbin System - As part of a team of 4, I contributed to the development of an automated dustbin management system designed to improve waste disposal efficiency by 30%. The system automatically opens the flap when waste is detected, reducing human contact and promoting a cleaner, more hygienic environment. Our project was awarded 1st place for its innovation and impact.