

# Swadha Priya Dutta

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## EDUCATION

Bachelor of Technology – Computer Science & Engineering (2023–2026)

Asansol Engineering College | MAKAUT University

CGPA: 7.0 (Till 6th Sem)

## PROFESSIONAL SUMMARY

Backend-focused Computer Science student with a strong foundation in Java and SQL, proficient in Spring Boot, RESTful APIs, and MySQL. Skilled at building scalable backend systems, with hands-on experience in real-world projects. Seeking to contribute to innovative and performance-driven software systems.

## TECHNICAL SKILLS

Languages: Java, SQL, Python

Backend: Spring Boot, REST APIs, JDBC, MySQL

Frontend: HTML, CSS, JavaScript (Basic)

Tools & Technologies: Eclipse IDE, VS Code, Postman, Maven

Operating Systems: Windows, Linux (Basic)

## PROJECTS

- Job Portal System

Tech Stack: Spring Boot, React.js, MySQL

- Developed a full-stack job portal system with role-based authentication (Admin, Recruiter, Job Seeker)
- Implemented job posting, application tracking, and secure login/logout features
- Designed with scalability in mind and potential integration of resume parsing and recommendation algorithms

- Class Monitoring System using Computer Vision

Tech Stack: Python (OpenCV), Java (Logic Integration)

- Created a camera-based class monitoring system using OpenCV to detect student presence and behavior

- Used laptop webcam for real-time monitoring, suitable for low-resource environments
- Integrated logic modules in Java for decision-making and report generation

## **CERTIFICATIONS**

- Java Programming Masterclass – Udemy
- SQL & Database Management – Udemy
- Backend Development with Spring Boot – Coursera