



# ANKIT KUMAR SHARMA

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## PROFILE

Driven Backend Engineer with a solid foundation in scalable server-side development and Machine Learning and AI. Skilled in building robust APIs, documentation, microservices, and data-driven systems using technologies like Node.js and Flask. While my core strength lies in backend architecture and performance optimization, I enjoy exploring intelligent systems and ML concepts to enhance functionality. Always eager to tackle complex engineering problems with clean, efficient solutions.

## EDUCATION

**Institute of Engineering & Management,**  
Kolkata,  
B.Tech., CSE (AI) | **CGPA: 9.19** | 2022 – 2026

**BSF Senior Secondary Residential School,**  
Kadamtala,  
12<sup>th</sup> standard | **Percentage: 92%** | 2019–2021 | **CBSE**

**Techno India Group Public School, Siliguri,**  
10<sup>th</sup> standard | **Percentage: 94%** | 2019 | **CBSE**

## SKILLS

Technical Skills:

- Machine Learning & Deep Learning: NLP, ANN, CNN, ResNet.
- Backend Development: Flask, Node.js.
- Programming: Python, C++, SQL, Javascript.
- Frameworks & Tools: Scikit-Learn, NumPy, Pandas, Keras

CS Fundamentals:

- Data Structures and Algorithms
- Operating System
- Database Management System

Soft Skills:

- Leadership
- Problem-Solving
- Communication skill

## PROJECTS

### Full-Stack Logistics Platform for Dhan Laxmi Logistic

Developed and deployed a complete logistics management website for a real-world logistics company.

- Built core features including parcel tracking, pickup request handling, and branch locator to streamline logistics operations and enhance customer experience.
- Designed and implemented backend APIs using Node.js, with a MySQL database for persistent storage and deployed the application on Hostinger, ensuring reliable performance and uptime.
- Focused on backend scalability, database optimization, and smooth integration with the frontend.

### Medical Diagnostic Web App for Lung Cancer Classification | ResNet, Flask, Nodejs , Keras

- Developed a full-stack web application that detects **lung cancer** from medical images using **ResNet CNN** models.
- Implemented deep learning pipelines (**TensorFlow, Keras**) to enable high-accuracy predictions for medical diagnostics.
- Designed an intuitive interface allowing doctors to securely upload the scans and receive real-time classification results.
- Built the backend using NodeJS and integrated it with a flask frontend in micro service architecture for smooth image processing and result visualization.

## ACHIVEMENTS

Published a book chapter titled-Reshaping Healthcare: Exploration of a Deep-learning Approach for Blood Cell Classification in ELSEVIER.

## LEADERSHIP ROLES

### Head of Operations at IEM Quizzard Club

- Oversees event planning, logistics, and team coordination to ensure smooth execution of club activities.

## LANGUAGE

English, Hindi, Bengali

## CERTIFICATES

### Google Data Analytics Professional Certificate| Coursera |2024

- Gained hands-on experience in data cleaning, analysis, visualization, and reporting using Spreadsheets, SQL, R, and Tableau.

### Data Base Management System| NPTEL|2025

- Acquired in-depth knowledge of relational database design, SQL queries, ER modeling, normalization techniques, and transaction management.

### Design and analysis of algorithms| NPTEL|2025

- Learned algorithm design techniques and complexity analysis for solving computational problems efficiently.

## HOBBIES

OSINT, Guitar playing , Vexillology