

Anshu Nigam

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Education

Institute of Engineering and Management, Kolkata

2024 – 2028

B.Tech in Computer Science and Engineering

CGPA: 8.52

Technical Skills

Programming Languages: Python, C, C++, JavaScript

AI / Machine Learning: Natural Language Processing, TF-IDF, Python Libraries, Basic ML

Web & Tools: MERN Stack, Git, REST APIs, Linux

Projects

AI-Based Resume Parser and Candidate Ranking System

2026

Python, NLTK, Scikit-learn

- Developed an NLP-based system to extract structured data from unstructured resume text.
- Applied text preprocessing techniques including tokenization, stopword removal, stemming, and lemmatization.
- Implemented TF-IDF vectorization and cosine similarity to measure contextual relevance.
- Designed a scoring algorithm (0–10 scale) to rank resumes based on job-role alignment.

Real-Time Video Meeting Application (MeetFlow)

2026

React.js, Node.js, WebRTC, Socket.io

- Developed a real-time video conferencing web application supporting multi-user communication.
- Implemented peer-to-peer video streaming using WebRTC.
- Integrated Socket.io for real-time signaling and room-based communication.
- Designed responsive frontend UI with dynamic participant handling.
- Built backend server to manage meeting rooms and user connections.

Relevant Coursework

Data Structures and Algorithms

Probability and Statistics

Linear Algebra

Introduction to Machine Learning

Achievements

- Solving problems on Data Structures and Algorithms platforms
- Participated in college-level HACKATHON and secured top 10 position.