Anurag Kumar

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EDUCATION

Indian Institute of Engineering Science and Technology, Shibpur
B.Tech in Information Technology; CGPA:8.24/10.00 (upto 6th semester)
Nov 2022 – May 2026
Howrah, India

Lyceum International School, Muzaffarpur
Senior School Certificate Examination; CBSE Board Score:96.2%
Aug 2020 – Jul 2022
Muzaffarpur, India

Sainik School Goalpara, Assam
Secondary School Examination; CBSE Board Score:96.4%
May 2015 – Jul 2020
Goalpara, India

SKILLS

**Tech Stack** — *C/C++* │ *Python* │ *TypeScript* │ *Flask*

Machine Learning — Supervised Learning, Regression Models, K-means Clustering, Fully Connected Neural Networks.

Familiar With — *Object Oriented Programming,* Socket Programming, MERN Stack.

PROJECTS

Deepfake Audio Detection ⎘
Fully Connected Neural Network, Tensorflow,Flask
May 2025 – present
- Built an offline deepfake audio detection system on Raspberry Pi 4 using Flask and TensorFlow Lite.
- Designed a custom audio pipeline using pywt, librosa, and sklearn for robust feature extraction.
- Enabled mobile uploads over local network and real-time predictions with confidence score.

Crop Recommendation System ⎘
KNN Algorithm, Agglomerative Clustering.
Mar 2025
- A multipurpose model that recommends the best crops to be grown at a place.
- The web application fetches required weather conditions like rainfall and humidity using the openweather api.
- Users can also look for the companion crops that can be grown as an alternative to a particular crop using the 'companion crops' feature. (Agglomerative Clustering).
- Currently working on adding new features, such as crop disease prediction using CNN.

House Price Prediction ⎘
Supervised Machine Learning
Jan 2025
- Trained and evaluated a regression model for house price prediction using custom preprocessing, achieving MSE of 13.7.

Searchable Keywords Over Encrypted Cloud Data ⎘
Cryptography, Computer Networks
Mar 2024 – Apr 2024
- Developed a client-server model with AES-CBC encryption for secure data storage and keyword search.
- Tech Used: C++, Socket Programming, AES-CBC Encryption.

ACHIEVEMENTS

- 500+ problems on Leetcode ⎘ │ 3⭐ CodeChef ⎘ │ Pupil @ Codeforces ⎘ (max 1243)
- AIR 18447 – JEE Mains │ Finalist @ Shaastra '25 (IITM)
- SSB Recommended for Indian Army & Navy

POSITION OF RESPONSIBILITY

Placement Representative
Apr 2024 – present
- Liaised between students and the HRM cell.
- Responsible for engaging recruiters and coordinating on-campus recruitment.

ORGANIZATIONS

NCC-27 Assam COY
Jan 2018 – Feb 2019
- Passed NCC 'A' Certificate Examination- Grade 'A'.