

Anvesh Gupta

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EDUCATION

- **Indian Institute Of Technology (BHU) Varanasi** Varanasi, India
Bachelor of Technology - Electronics Engineering; GPA:7.99 2021 - 2025
- **Maa Bharti Sr Sec School** Rajasthan, India
CBSE(XII) : 95.0% 2021
- **Sarvodaya Senior Sec School** Rajasthan, India
CBSE(X) : 90.60% 2019

SKILLS SUMMARY

- **Programming Languages** C, C++, Python
- **Technologies and Framework** Visual Studio, Sublime Text, Git/Github
- **Area of Interest** Data Structures and Algorithms, Competitive Programming, Machine Learning

PROJECTS

- **Predicting Presence/Absence of Crackles and wheeze (Mosaic'23)**
 1. Split audio files based on time stamps and converted them into spectrogram images.
 2. Applied image processing techniques like Noise Removal and trained a CNN model on spectrogram images to predict the presence /absence of wheezes.**Exposure:** OpenCV, Keras, CNN, Tensorflow, Librosa.
- **Cloud Interfaced Gas Sensor Array Response Gathering System**
 1. We have used the iris flower data set for training and testing and further plot confusion matrix along with its accuracy and data analysis.
 2. We have used gas detecting sensors like MQ2, MQ5, MQ8, MQ6 and used 8x1 MUX digital circuit.
 3. We have tried various algorithms such as logistic regression and decision tree and finally used logistic regression for model training.
 4. We have used an IOT analytics platform thingspeak to aggregate and analyse the live datastreams.
- **Predicting the time taken to deliver a product(Cassandra'23)**
 1. Extracted various features from different columns and normalized data using standard scaler.
 2. Tried various regression algorithms such as XgBoost, Random Forest, etc and finally used Xgboost for model training.**Exposure:** Exploratory Data Analysis, Various Regression Techniques, Data Cleaning.

HONOURS AND ACHIEVEMENT

- Secured global rank of **1589** in Codeforces Round 922(Div.2)
- Secured global rank **58** in Division 3 of Codechef December Long 2022
- **Specialist** at Codeforces (Max rating 1453) [Handle]
- Secured **219** All India Rank among more than 1Lakh Participants in 'Codekaze' Round 2, CP Contest organized by Coding Ninjas.
- **Expert** at Codestudio. [Handle]
- Cleared **Jee Mains 2021** with **AIR 5121** among more than 10 lakh candidates.
- Cleared **Jee Advanced 2021** with **AIR 2282** among more than 10 lakh candidates.
- Secured a position among **top 10 percent** students of my institute in National Mathematics Talent Contests 2017.

VOLUNTEER EXPERIENCE

- **SCS Academic Mentor:**Served as an SCS Academic Mentor for the course of MA102(Engineering Mathematics - II) and helped the first year students in preparation for their examinations.
- **Cultural Event Co-Coordinator:** Volunteered for the smooth conduction of UDGAM'23, a cultural fest under Electronics Engineering Society, IIT BHU.