HIMANSHU RANJAN

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Education

Rajiv Gandhi Institute of Petroleum Technology   **2020 − 2024**
B.Tech(Electronics)-CPI : 7.4*(till 4th sem.)   *Amethi, Uttarpradesh*

Experience

Finladder   **Aug 2022 − Oct 2022**
Financial Modeling Intern
- I gained knowledge of the various aspects of a business, such as the stages of a company, the stages of commercialization, the capital requirement, the cost of acquiring customers, the value of retaining customers, and the different categories of private equity funds.
- Additionally, it aided in the mastering of Advanced Excel and tableau data visualization.

Projects

Food Quality Detector | *(BTP/Personal Project) Python, Machine Learning, Arduino*   **Oct'22 − Present**
- Employed machine learning to calculate how long food will remain fresh using readings from various sensors connected to an Arduino.

- With this project, I'm studying various machine learning algorithms, various regression models, and also coming across various sensors and their operation also helps me in building concepts for IoT.

Airline Sentiment Analysis | *(Personal Project) Machine Learning, Python(Numpy, Panda)*   **Oct 2022 − Present**
- For the Given Twitter US Airline Sentiment Dataset, which has information on more than 14000 tweets, I developed a machine learning strategy to predict the sentiment of the tweet, whether it is good, negative, or neutral.
- The major task can be broken down as 1) Data Cleaning 2) Data Processing 3)Analysis of features of data set 4) Answering important questions
- This project helped me understand different machine learning algorithms and multiple different python libraries, like numpy and panda, conceptually.

Smart Anti-theft Door Lock | *(Team Project) IoT, Arduino*   **Aug 2022 − Aug 2022**
- We created a smart door lock using smart RFID technology that can also warn and notify the user of any improper behaviour.
- Due to their potential to offer anti-theft capabilities at a very low cost, we used infrared and vibration sensors.
- This project assisted in learning about Iot specially Arduino and the arduino programming language as well as becoming familiar with various sensors.

Relevant Coursework

- Microeconomics
- Business Fundamentals
- Database Management
- Data Visualization
- Linear Algebra
- Probability and statistics
- Inferential statistics
- Numerical Methods

Skills

Languages: Python(NumPy,Pandas,Scikit-learn), Arduino, C++, SQL-MySQL
Advance Microsoft-Excel
Tableau
Financial Modeling
IoT
Familiar with AUTO CAD
Verbal/Written Communication

Volunteering/ Extracurricular

- **ARPAN** : (**Volunteer**)Organised a variety of events in small villages to raise awareness of the value of education.

- **UDGHOSH '22** : Volleyball team vice captain for the college

- **IEEE,RGIPT** : Head of Photography and Interviewing Team