PRAMJEET KUMAR

Hajipur, Bihar

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EDUCATION

Rajiv Gandhi Institute of Petroleum Technology(INI)   **2022 − 2026**
B.Tech - Electronics Engineering **-CGPA - 7.9**   *Jais, UttarPradesh*

COURSEWORK / SKILLS

- Machine Learning
- MLOps
- Deep Learning
- Web Development
- NLP
- DBMS
- Time Series
- DSA

PROJECTS

SwasthyaSathi ⧉ | Python, Librosa, Machine Learning, Deep Learning, Streamlit Cloud   **2022-23**
- Developed a web app to detect **diabetes**, **heart attacks**, and **lung cancer** from normal medical test report data, **asthma** from breath sounds, **heart conditions** from heart sounds, **COVID-19** from chest X-rays, and **brain tumors** from MRI images.
- Utilized machine learning (**Random Forest**, **Logistic Regression**) for prediction on test report, deep learning (**ANN** with **librosa**) for prediction on audio, and deep learning (**CNNs** and **pre-trained models** like **VGG16** and **ResNet**) for prediction on image.
- Built the user interface using **Streamlit** and deployed the application on **Streamlit Cloud** ,which is currently live and used by around **70** people.
- Live site here

LanguaMate ⧉ | Python, Easy-ocr, Deep-translator, NLP, Streamlit, Streamlit Cloud   **2023-24**
- Developed a web app to extract text from images, detect language, and translate text between languages.
- Utilized the **EasyOCR** library for text extraction from images.
- Employed **NLP** techniques for language detection.
- Implemented the **Deep Translator** library for translating text between languages.
- Built the user interface using **Streamlit** and deployed the application on **Streamlit Cloud** ,which is currently live and used by around **50** people.
- Live site here

Oil Spill Detection ⧉ | JavaScript, Remote Sensing, Machine Learning   **2023-24**
- Developed a solution for detecting oil spills using **sentinel-1** satellite data.
- Employed **Remote sensing** techniques to analyze and interpret satellite imagery.
- Implemented a **Random Forest model** for classification and identification, ensuring accurate results with **95%** accuracy.

TECHNICAL SKILLS

Languages: Python, C, SQL
Technologies/Frameworks: Pandas, Matplotlib, Seaborn, Scikit-learn, Tensorflow, Nltk, Spacy, Streamlit, Librosa, Prophet, Pytesseract, Easy-ocr, Deep-translator, Github, Git
Developer Tools: Jupyter Notebook, PyCharm, Google Earth Engine, Docker, Streamlit Cloud, Render

CERTIFICATIONS

- Generative AI - Udacity(Google Cloud)
- Large Language Models - Udacity(Google Cloud)
- Artificial Intelligence - Guvi
- Python - Udemy

ACHIEVEMENTS

- 5 star @**HackerRank**.
- Developed a project for **Sociothon**, organized by the **National Service Scheme** at **IIT Roorkee**.
- Awarded **Merit-Cum-Means Scholarship** for the Top **10%** students in the EE batch.
- **UPSC-NDA** Qualified.
- Qualified **JEE-Advanced** 2021, 2022.