



Dhirubhai Ambani
Institute of Information and Communication Technology

DEEP PETHANI

M.Sc. Agriculture Analytics

EDUCATION

Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT)

CPI : 8.93

📅 July 2023 – Present 📍 Gandhinagar, Gujarat

B.Sc(Hons) Agriculture
Junagadh Agricultural University (JAU)

CPI : 7.78

📅 2019 - 2023 📍 Junagadh, Gujarat

Class 12th School (GHSEB)

Percentage: 71.43%

📅 2017 – 2019 📍 Surat, Gujarat

Class 10th School (GSEB)

Percentage: 88.33%

📅 2016 – 2017 📍 Surat, Gujarat

SKILLS

Area(s) of Interest : Data Analysis , Machine learning, Deep Learning, Statistics, Remote Sensing, GIS, Stock Market Analysis

Programming Languages : Python, SQL

Tools and Technologies : Power BI, Tableau, Excel, Looker Studio, QGIS, ArcGIS, Erdas Imagine, GEE

EXPERIENCE

Geo-Spatial One Pvt. Ltd :

Geo-Spatial Analyst Intern

📅 May 2024- July 2024

- Analyzed spatial data using GIS tools such as QGIS and Google Earth Engine (GEE) to achieve project objectives and facilitate decision-making processes.

- **Guide:** Dr. Virat Arora

PROJECTS

Tomato Leaf Disease Detection Using Deep Learning

📅 May 2024 - Jun 2024

- We train a Convolutional Neural Network (CNN) on a dataset of tomato leaf images to classify them into disease categories. The CNN learns features from the images to differentiate between healthy and diseased leaves, aiding in early detection and management of plant diseases.

Quantifying the Economic Impact of Tourism on Indian GDP

📅 January 2024

- This project includes an analysis of Indian Tourism Sector and Contribution to GDP, how Indian GDP reacts towards the tourism with the help of python programming with using of NumPy, matplotlib, seaborn, Pyplot and panda's library functions and Geo data processing library like Geopandas.

- **Guide:** Dr. Prasun Kumar Gupta

Soil Properties Prediction & Mapping (GEE, QGIS, ERDAS, Python)

📅 December 2023

- We integrate Google Earth Engine (GEE) and machine learning (ML) to predict and map soil properties using the SCORPAN model. Utilizing remote sensing data (NDVI, DEM, LST) and soil properties data, the project aims to create detailed maps of soil distribution, enhancing land management and agricultural practices.

- **Guide:** Dr. Ranendu Ghosh & Dr. Viral Dave

POSITIONS OF RESPONSIBILITY

Volunteer- National Service Scheme (NSS)

Actively participated in social welfare and community service projects

📍 Surat

INTERESTS

- Trading (Stock Market)
- Sports(Kabaddi)
- Travelling & Trekking

ACHIEVEMENTS

- Received certificate for "Advanced Excel, Power BI and Tableau" by Pioneer Tech.
- Received certificate for "DBMS and My SQL" by LetsUpgrade.
- Received Certificate for Application of "Advanced Geospatial Technologies in Agriculture (Crop Yield Modelling)" by AMNEX
- Received Certificate for "Microwave Data Processing and Applications" by SAC(ISRO).
- Received Certificate for "Spatial Analysis with ArGIS pro:Essential workflows" by ESRI.
- Participated in XXI All India Inter Agricultural Universities Sports & Games Meet-2022-23 (Kabaddi) , CSS Hisar.