Dhirubhai Ambani
Institute of Information and Communication Technology

PARTH PATEL

M.Sc. Agriculture Analytics

EDUCATION

M.Sc Agriculture Analytics,Dhirubhai Ambani Institute Of Information and Communication Technology

CPI: 6.47

2023-2025 Gandhinagar, Gujarat

B.Sc (Hons) Agriculture, Anand Agriculture University

CPI: 7.31

2019-2023 Anand, Gujarat

Class 12th School (GHSEB)

Percentage: 67.07 %

2017 – 2019 Modasa, Gujarat

Class 10th School (GSEB)

Percentage: 77.83 %

2016 – 2017 Davad, Gujarat

SKILLS

Area(s) of Interest : Remote Sensing and GIS,Data Analysis,Statistical Analysis,Geo-spetial Analysis,Machine Learning,Data Visualization

Programming Languages : Python,SQL,R

Tools and Technologies : ArcGIS, QGIS, ERDAS IMAGINE, Envi, Google Earth Engine, PostgreSQL, Power BI, SciKit-Learn, TensorFlow

ACHIEVEMENTS

- Received certificate for Spatial Analysis with ArcGIS Pro by **ESRI, INDIA**
- Received certificate for Application of Advanced Geospatial Technologies in Agriculture with special reference to Crop Yield Modelling and Agromet Parameter Retrieval by **Amnex Infotechnologies**
- Received certificate for Microwave Data Processing and Applications by **Space Application Centre, ISRO**
- Received Received certificate for Advance Excel, Power BI and Tableau by **The Pioneer Tech**

PROJECTS

Project Title: Sales and Inventory Managemnet in Agro Enterprise

Oct 2023- Dec 2023

- **Guide: Dr. Amit Mankodi**

Project Title: Land Cover Change Detection (Defor- estation):

Oct 2023 - Dec 2023

- Implemented deforestation visualization project in Arunachal Pradesh using Landsat satellite im- agery (2000, 2010, 2022) and Machine learning Algorithms. Proficiently utilized Erdas, ArcGIS, and QGIS to analyze and visualize land cover changes(Deforestation).
- **Guide:Dr.Ranendu Ghosh**

Project Title: Crop Yield Prediction In Cumin of Gujarat.

Feb 2024-March 2024

- Study used MODIS satellite data and ERA5 dataset for ML models to predict yield. Datasets were collected, preprocessed and trained with vegetation indices and weather variables.Model performance evaluated with MSE,RMSE, R-squared
- **Guide: Dr. Kamal Pandey**

Project Title: Maize and Wheat Crop yield prediction using machine learning for Himachal Pradesh:

March 2024-April 2024

- Used past yield data,meteorological data and satellite data from Google Earth Engine. we train the models like Random Forest,Liner Regression and XGBoost for better prediction.