VIRAJ HIRPARA

M.sc. Agriculture Analytics

EDUCATION

Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT)
CPI:7.33
🗓 July 2023 – Present   📍 Gandhinagar, Gujarat

B.Tech Agricultural Engineering (JAU)
CPI:7.2
🗓 2019 – 2023   📍 Junagadh, Gujarat

Class 12th School (GHSEB)
Percentage: 71.69%
🗓 2017 – 2019   📍 Rajkot, Gujarat

Class 10th School (GSEB)
Percentage: 84.50%
🗓 2016 – 2017   📍 Rajkot, Gujarat

SKILLS

Area(s) of Interest : Data Analytics,Geospatial Analysis,Business Analytics,GIS Analytics,Data Scientist.

Programming Languages : Python,SQL,R.

Tools and Technologies : Google Earth Engine, ArcGIS,QGIS,ERDAS IMAGINE,PostgreSQL, PostGIS, Power-BI,Tableau.

EXPERIENCE

Dharti Agro Engineering
🗓 Oct 2022 - Dec 2022

• Worked in Manufacturing Department and Export Department of seed drill.
• **Guide:** Dr. T.D. Mehta

PROJECTS

Crop Recommendation and Cost Prediction System:
🗓 Oct 2023 - Dec 2023

• Developed a Python project for crop recommendation using soil and weather parameters including various input and operational costs.
• **Guide: Dr. Amit Mankodi**

Land Cover Change Detection (Deforestation):
🗓 Nov 2023 - Dec 2023

• Using Landsat satellite data, ML, ERDAS, ArcGIS, QGIS analyzed and visualized deforestation trend in Arunachal Pradesh.
• **Guide: Dr. Ranendu Ghosh**

Crop Yield Prediction of Cumin in Gujarat
🗓 Feb 2024 - March 2024

• Using MODIS and Era5 data predicted yield of cumin using ML
• **Guide: Dr. Kamal Pandey**

Heatwave Analysis
🗓 April 2024

• Intensity and frequency analysis of heatwave over Gujarat region using ERA5 data of 20 years
• **Guide: Dr. Charu Singh**

Foreign Exchange Rate
🗓 January 2024

• Analyzed the impact of historical events, government interventions, and trade imbalances on the valuation of the Indian Rupee over six decades usig import,export and FDI data
• **Guide: Dr. Prasun Kumar Gupta**

POSITIONS OF RESPONSIBILITY

Volunteer - National Service Scheme(NSS)

I was involved in social activities for community development.

📅 April 2029–2023

INTERESTS

- Travelling
- Badminton

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**
- Received Certificate for Microwave Data Processing and Applications by **Space Application centre,ISRO**
- Received certificate for Advance Excel,Power BI and Tableau by **The Pioneer Tech**