



Dhirubhai Ambani
Institute of Information and Communication Technology

DRASHTI NAYAKPARA

M.Sc. Agriculture Analytics

EDUCATION

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

CPI: 9

📅 July 2023– Present

📍 Gandhinagar, Gujarat

Navsari Agriculture University (NAU)

Bsc.(Hons) Agriculture

CPI: 8.592

📅 2019 – 2023

📍 Bharuch, Gujarat

Nalanda Vidyalaya (12th) (GHSEB)

Percentage:67.8 %

📅 2017 – 2019

📍 Morbi, Gujarat

OSEM (10th) (CBSE)

CGPA: 9.0

📅 2016 – 2017

📍 Morbi, Gujarat

SKILLS

Area(s) of Interest : Geo-spatial Analysis, Spatial Modeling, Statistics, Data Analysis, ML Based Analysis, Deep Learning, Business Analysis, Remote Sensing.

Programming Languages : Python, SQL, Basic R.

Tools and Technologies : ERDAS, QGIS, ArcGIS, Power BI, PostgreSQL, Google Earth Engine, Tableau, Looker Studio.

EXPERIENCE

Zrock

Worked as a Data Analyst Intern for one month.

📅 March 2024 – April 2024

Geo-Spatial One pvt. Ltd.

Working as a 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.

PROJECTS

Groundnut Yield Prediction in Gujarat State (GEE, QGIS, Sklearn, Python, Looker Studio)

📅 April 2024

- In this project we utilized historical weather and various indices data collected from Google Earth Engine (GEE). Ground truth data of yield were collected from the Directorate of Gujarat website. Several machine learning models were developed for yield prediction. The model with the highest accuracy was deployed, and a dashboard was created for better data visualization.

- **Guide:** Dr. Kamal Pandey and Dr. N.R Patel

Weather Prediction Using ML (Pandas, Numpy, Matplotlib, Seaborn)

📅 March 2024

- In this project, we gathered weather data, including humidity, precipitation, temperature, and wind speed, from the NASA Data Access Viewer. Then, we used this information to predict weather conditions such as cold, moderate, and rainy.

- **Guide:** Dr. Kamal Pandey

Sales and House Price Analysis and Prediction (Streamlit, Python, Matplotlib, Sklearn,looker Studio and Power BI)

📅 December 2023

- In both projects, I followed the complete machine learning pipeline from data collection to model deployment and created a dashboard for visualization.

- **Guide:** Dr. Amit Mankodi

POSITIONS OF RESPONSIBILITY

Ladies Representative, Student Representative Council

Enhancing communication between students and college administration, cultivate an inclusive and supportive environment within the college and Encouraging Female for participating in various college activities

📅 2021-2023

Volunteer- National Service Scheme (NSS)

Contributed in social welfare and community service activities through volunteering.

📅 2019-2021

INTERESTS

- Sports: Badminton and Athletics
- Cultural Dance
- Event Management

ACHIEVEMENTS

- Received Certificate for Application of "Advanced Geospatial Technologies in Agriculture (Crop Yield Modelling)"(AMNEX).
- Received Certificate for 3-day course on "Spatial Analysis with ArGIS pro:Essential workflows"(ESRI).
- Received Certificate for 3-day course on "Microwave Data Processing and Applications" (SAC, ISRO).
- Received Certificate for 3 days course on "Advance Excel, Power BI and Tableau"(Pioneer Tech).
- Participated in West Zone/All India Inter-University Badminton Tournament.
- Awarded as Best Student of the year (2022- 2023).
- Secured 1st and 2nd Position in Singles and Doubles Badminton Khelma-hakumbh Competition.