DIVYA PRAJAPATI

MSc.(Agriculture Analytics)

EDUCATION

Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT)
CPI: 8.4

📅 July 2023 – Present   📍 Gandhinagar, Gujarat

College of Horticulture, Anand Agricultural University (AAU)
CPI: 8.06

📅 2019 – 2023   📍 Anand, Gujarat

Sahjanand School of Achiever (GHSEB)
Percentage: 69.00%

📅 2018 – 2019   📍 Gandhinagar, Gujarat

Swastik High School (GSEB)
Percentage: 86.60%

📅 2016 – 2017   📍 Gandhinagar, Gujarat

SKILLS

Area(s) of Interest : Data Analysis, Remote Sensing and GIS, Statistical Analysis, Data Analysis, Business Analysis, Data Modelling, Machine Learning Based Analysis.

Programming Languages : Python, SQL

Tools and Technologies : ERDAS, SQL, QGIS, GEE, ArcGIS, PowerBI, Tableau, Looker studio.

EXPERIENCE

Bhaskaracharya National Institute for Space Application and Geoinformatics

📅 May 2024- July 2024

•At BISAG, I focused on mask generation, area estimation, and forest fire detection using Google Earth Engine and Python, enhancing skills in geospatial analysis and image manipulation for environmental monitoring.

• **Guide:** Dr. Yagnesh Vyas

Zrock

Worked as a Data Analyst Intern for one month.

📅 March 2024– April 2024

PROJECTS

Spatial-temporal Analysis and Fire Precision Support System for Detection, Classification and Acreage Estimation

📅 June 2024

•This project utilizes Sentinel satellite imagery and remote sensing to improve forest fire management in a fire-prone area. By analyzing NDVI masks from 2019-2023, it assesses vegetation health and calculates burned areas, focusing on key fire months. This aids predictive modeling, resource allocation, and effective response strategies for forest management.

• **Guide:** Dr. Yagnesh Vyas

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

📅 April 2024

•The goal of this project is to develop a predictive model to estimate groundnut crop yields in Gujarat. This aims to enhance agricultural planning, optimize resource allocation, and support decision making for farmers and policymakers.

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

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

📅 February 2024

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

• **Guide:** Dr. Kamal Pandey

POSITIONS OF RESPONSIBILITY

Ladies Representative, Student Representative Council

📅 2022– 2023

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.

Support and voice for women's causes

📅 2021– 2023

INTERESTS

- Sports (Badminton)
- Meditation
- Drawing (Mandala art)

ACHIEVEMENTS

- Accredited advocate for women's representation.
- Accredited by the Agro Youth Summit in Hyderabad.
- 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 Application of "Advanced Geospatial Technologies in Agriculture (Crop Yield Modelling)"(AMNEX).
- Received Certificate for 3 days course on "Advance Excel, Power BI and Tableau"(Pioneer Tech).
- Accredited athlete in badminton sports.
- Certified state-level eloquent speaker.
- Certified drama competition winner.
- NSS(National Service Scheme) certified.