



KAUSHAL KATHIRIYA

MSc.(Agriculture Analytics)

EDUCATION

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

CPI: 7.4

📅 July 2023 – Present 📍 Gandhinagar, Gujarat

Anand Agricultural University (AAU)

CPI: 8.06 (B.Sc. Agriculture)

📅 2019 – 2023 📍 Anand, Gujarat

Hossanna Mission School (GHSEB)

Percentage: 75.00%

📅 2018 – 2019 📍 Gandhinagar, Gujarat

Silver Bells High School (GSEB)

Percentage: 79.5%

📅 2016 – 2017 📍 Gandhinagar, Gujarat

SKILLS

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

Programming Languages : Python, SQL

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

INTERNSHIP

GSFC Agrotech Limited

📅 December 2022- January 2023

• Acquired in-depth knowledge of depot operations, agro product sales, and farmer service provision through active participation in daily operational tasks and customer engagement. Proficiently utilized SAP system to effectively manage fertilizer stock, demonstrating a keen aptitude for integrating technology into inventory management processes while ensuring seamless operations and customer satisfaction..

• **Guide:** Mr. R. D. Patel

PROJECTS

Drought Monitoring and Assessment by using Google Earth Engine:

📅 April 2024

• In this project focused on Gujarat state using Google Earth Engine, Analyzed time series data spanning 2001 to 2023. By employing vegetation indices like VCI, TCI, and PCI, estimated the CDI (Composite Drought Index). This approach provided insights into long-term vegetation dynamics and drought patterns in the region.

• **Guide:** Mr. Abhishekh Danodiya

Soil Moisture Prediction using Machine Learning:

📅 February 2024

• Implemented a cutting-edge machine learning model for soil moisture prediction as a key project. Leveraged data analysis techniques and predictive modeling to enhance agricultural decision making.

• **Guide:** Dr. Kamal Pandey

Annual Soil Loss Measurement (RUSLE) Using Python:

📅 November 2023

• Implementation of the Revised Universal Soil Loss Equation (RUSLE) model to accurately measure annual soil loss in agricultural landscapes.

• **Guide:** Dr. Ranendu Ghosh

INTERESTS

- Badminton
- Kabaddi
- Travelling

POSITIONS OF RESPONSIBILITY

National Cadet Corps (NCC)

NCCcadet

📅 March 2022

Captain of Kabaddi Team

During the national event, I served as the Captain of the Kabaddi team.

📅 February 2023

ACHIEVEMENTS

- National level player in Kabaddi
- 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).
- NSS(National Service Scheme) certified.