



Dhirubhai Ambani
Institute of Information and Communication Technology

DARSHAN GAJERA

M.Sc. Agriculture Analytics

EDUCATION

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

CPI: 8.8

📅 July 2023 – Present 📍 Gandhinagar, Gujarat

Junagadh Agricultural University (JAU)

B.Tech. in Agricultural Engineering

CPI: 8.02

📅 2019 – 2023 📍 Junagadh, Gujarat

Class 12th School (GHSEB)

Percentage: 78.15%

📅 2017 – 2019 📍 Keshod, Gujarat

Class 10th School (GSEB)

Percentage: 80.16%

📅 2016 – 2017 📍 Keshod, Gujarat

SKILLS

Area(s) of Interest : Statistics, Machine Learning, Deep Learning, NLP, Data Analysis, Remote Sensing, Geo-spatial Analysis, IoT

Programming Languages : Python, SQL

Tools and Technologies : PostgreSQL, QGIS, ArcGIS, Erdas Imagine, GEE, Power BI, Tableau

EXPERIENCE

Geo-Spatial One Pvt. Ltd.

Working as a Geo-Spatial Analyst Intern.

📅 May 2024 – July 2024

• **Guide:** Dr. Virat Arora

Asian Institute of Technology

Thailand

📅 June 2022 - September 2022

• Internship on Drones, IoT, Google Earth Engine and their Applications at Geoinformatics Center, Asian Institute of Technology, Thailand.

• **Guide:** Dr. Manzulkumar Hazarika

PROJECTS

Leaf-based Groundnut Disease Prediction System Using Deep Learning

📅 June 2024

• I developed this model using CNN, incorporating pre-trained models, achieving optimal accuracy for both training (7910 images) and testing (2451 images) datasets. There are 6 disease categories, equally distributed between training and testing sets.

Crop Discrimination using Machine Learning and Google Engine (ML Algorithm, GEE, Streamlit)

📅 April 2024

• In this project, We developed a robust framework for crop discrimination using machine learning techniques and Google Earth Engine, optimizing spectral-based classification methods and validating results through ground truth data to ensure reliability and accuracy.

• **Guide:** Dr. Kamal Pandey and Dr. Abhishek Danodiya

Cafe Management System

(Python , Libraries - Numpy, Pandas, os)

📅 December 2023

• The project successfully implemented a user-friendly interface and automation to streamline cafe operations, facilitating enhanced decision-making through secure user authentication and data visualization. These improvements optimize profitability and expense management, ultimately leading to a more efficient and effective cafe management system.

• **Guide:** Dr. Amit Mankodi

POSITIONS OF RESPONSIBILITY

Group Leader in International Training

Effective communication among professors, students, and efficient time management is crucial.

📅 June 2022 – October 2022

National Service Scheme (NSS)

Participate in community service activities and promote social welfare through volunteering.

📅 April 2019 – June 2023

INTERESTS

- Coding
- Sports (Cricket)
- Trekking and Travelling

ACHIEVEMENTS

- Received certificate for "Crop Yield Monitoring using Geospatial Data" by Amnex.
- Received certificate for "ArcGIS Pro:Essential Workflows" by ESRI.
- Received certificate for "Microwave Data Processing and Applications" by SAC, ISRO.
- Received certificate for "Machine Learning" by Simplilearn.
- Received certificate for "DBMS and My SQL" by LetsUpgrade.
- Received certificate for "PostgreSQL" by SimpliLearn.
- Received certificate for "Python Programming" by SimpliLearn.
- Received certificate for "Advanced Excel, Power BI and Tableau" by Pioneer Tech.
- Received certificate for "National Tech Fest on Food Processing Technology" by College of Food Processing Technology and Bio Energy, Anand Agriculture University, Anand.