SMITKUMAR BHUVA

M.Sc. Agriculture Analytics

EDUCATION

Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT)
CPI: 7.47

📅 July 2023 – Present 📍 Gandhinagar, Gujarat

Junagadh Agricultural University (JAU)
CPI: 7.947

📅 July 2019 – June 2023 📍 Gandhinagar, Gujarat

Class 12th School (GHSEB)
Percentage: 83.23%

📅 2015 – 2017 📍 Rajkot, Gujarat

Class 10th School (GSEB)
Percentage: 87%

📅 2014 – 2015 📍 Rajkot, Gujarat

SKILLS

Area(s) of Interest : Data analytics, Machine Learning, GIS.

Programming Languages : Python, PostgreSQL, HTML, CSS

Tools and Technologies : Machine Learning, Database, ArcGIS, QGIS, Openlayers

INTERESTS

- Travelling
- Chess
- Music

ACHIEVEMENTS

- Certificate for Advanced data visualization by The Pioneer Tech.
- Certificate for ArcGIS Pro: Essential Workflows (ESRI)
- Certificate for Crop Yield Monitoring using Geospatial Data by Amnex.
- Certificate for microwave data processing by SAC, ISRO.
- Certificate for developing Web-based GIS, by NASCENT Infotech..
- Certificate for Basics of ICT application in Agriculture.

PROJECTS

Crop net profitability analysis:

📅 December 2023

• Worked on a project that can analyse the net profit of various crops using the Cost of cultivation and the market price of that crop

Impact of International Year of Millets:

📅 January 2024

• Tried to analyse the cultivation trend of Millets in India from 2013 to 2023 to know whether the International Year of Millets was successful or not, and to what extent.

Yield Prediction Model for Cumin:

📅 March 2024

• Used past data of cumin cultivation and production for Gujarat state and tried to predict the production for the year 2023-24.

Soil Nutrient analysis:

📅 November 2023

• Used machine learning algorithms, satellite data and GDAL python library to analyse soil nutrients of Baroda district.

Heatwave Analysis:

📅 April 2024

• Investigation of intensity and frequency of heatwaves over Gujarat region using ERA5 reanalysis 2m air temperature data and Python programming.

Creating a Map visualisation Web page:

📅 July 2024

• We simply created a web interface to visualise the vector and raster datasets we have using HTML, CSS and JavaScript-OpenLayers.