



ANUSHA PARIDA

M.Sc, Agriculture Analytics

EDUCATION

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

CPI: 7.33

📅 July 2023 - Present 📍 Gandhinagar, Gujarat

Bachelor's in Agriculture, Institute of Agricultural Sciences (Siksha o Anusandhan University)

CGPA: 8.7

📅 July 2019 - 2023 📍 Bhubaneswar, Odisha

Guidance English Medium School (CBSE)

Percentage: 70.2%

📅 2015 - 2017 📍 Bhubaneswar, Odisha

Stewart School (ICSE)

Percentage: 88.5%

📅 2013 - 2015 📍 Bhubaneswar, Odisha

SKILLS

Area(s) of Interest : GIS Analyst, Research Analyst, Market Research , Machine learning for predictive and geospatial analysis, Data Visualization specialist

Programming Languages : Python, R

Tools and Technologies : ARC GIS, QGIS, ERDAS, POWER BI, TABLEAU, ADVANCE EXCEL, MATPLOTLIB, GDAL, PANDAS, NUMPY, Google earth engine

EXPERIENCE

KRUSHI UNNAT SAHJOGI PROGRAMME:

📅 September 2022 - November 2022

• Applied my skills in solving real life field problems of farmers, pest surveillance. Conducted surveys of farmers and input dealers of the area to give targeted measures.

• Guide: Dr. Anshuman Jena

GIS VISION INDIA:

📅 May 2024 - July 2024

• Acquired the knowledge of GIS tools like using ARC GIS, QGIS for extraction, digitizing work, database creation and web maps.

• Guide: Ms. Malin Hansepi

POSITIONS OF RESPONSIBILITY

Bureau of Indian Standards CLUB

CORE MEMBER

📅 December 2023 - Present

PROJECTS

Agricultural Marketing Information System:

📅 November 2023

• Developed a Python project by using basics of python (if-else loop, matplotlib, getpass, while loop, class and functions).

• Guide: Dr. Amit Mankodi (DA-IICT)

Medical facility thematic map:

📅 November 2023

• ARC GIS, QGIS, POSTGRES-SQL was used to make the thematic map providing locations of healthcare facilities. Random forest classifier algorithm was used to show the probability distribution of the facilities.

• Guide: Dr. Ranendu Ghosh (DA-IICT)

Analysis of Forest Wildfires in Canada and its Mitigation:

📅 January 2024

• Data visualization tools like matplotlib and seaborn to analyze the data and used geopandas library for hotspot analysis of areas with high occurrence

• Guide: Dr. Prasun Kumar Gupta (IIRS-DEHRADUN)

Snowfall Prediction in Uttarakhand:

📅 February 2024

• ML algorithms like linear regression, logistic regression, ridge regression, gradient boost regression, random forest regression was used to obtain predicted data after data pre-processing. Pre-processing was done using VIF.

• Guide: Dr. Kamal Pandey (IIRS-DEHRADUN)

Ecofriendly Eating: The vegan way:

📅 March 2024

• Created dashboard to show statistics of Veganism using Metabase.

• Guide: Dr. Kapil Oberoi (IIRS-DEHRADUN)

Soil Moisture estimation Using SAR and Machine learning:

📅 April 2024

• Fusing SAR data with Machine learning algorithms for estimating soil moisture and generating map using ARC GIS, GEE.

• Guide: Dr. Dipanwita Halder (IIRS-DEHRADUN)

ACHIEVEMENTS

- Microwave Data Processing and Application by Space Application Centre, ISRO
- Spatial Analysis with ARC GIS Pro by ESRI India
- Advance Excel, Power BI, and Tableau by The Pioneer Tech Co.
- Application of Advanced Geospatial Technologies in Agriculture by Amnex Infotechnologies Pvt. Ltd.