Omkar Jadhav

ITC-uTwente | IIRS-ISRO | Remote Sensing | Machine Learning

Personal Details

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github.com/omkarjadhav296

KEY SKILLS

- Python
- Machine Learning
- Google Earth Engine (GEE)
- Satellite Image Processing
- GDAL
- Quantun GIS (QGIS)
- Statistics
- Precision Agriculture

OTHER TECHNICAL SKILLS

- SNAP -Sentinel Application Platform
- PolSAR Technique
- Scikit-learn / Tensorflow
- Rasterio, Xarray, Folium
- Natural Language Processing
- Web Scrapping
- GRASS GIS
- JavaScript
- PostGIS and PostgreSQL
- R- programming
- SQL
- Git/ GitHub
- ArcGIS Pro
- ERDAS Imagine
- ENVI
- GeoDa
- Power BI
- Excel (Power pivot, VBA)

INTERNSHIPS

Indian Institute of Soil and Water Conservation Research Centre, Bellary, Karnataka   **1 Jun '17- 31 Jun '17**

Albedo Foundation, Remote Sensing and GIS Institute, Nashik   **Jan '19- May '19**

LPU School of Agriculture
                Nov '22- Dec '22

ACADEMIC PROJECTS

Master's

- Comparative Analysis of Random Forest and Support Vector Classifier for Planted and Ratoon Sugarcane   **Oct' 22- Mar '22**
- Comparative Analysis of Random Forest and Support Vector Regression for Estimation of Biophysical Parameters of Sugarcane   **Oct '22- Mar '22**
- Estimation of C- factor for Soil Erosion Assessment Using Google Earth Engine
                Jul '22- Aug '22
- Extraction of Built- up Area Using Artificial Neural Network   **May'22-Jun'22**
- Object based Land Cover Land Use Classification by Synergic Use of Sentinel-1 and Sentinel-2 Satellite Data   **Mar '22- Apr '22**
- Digital Soil Mapping Using Machine Learning Method: Random Forest Regression
                Apr '21- May '21
- Supervised Image Classification and Accuracy Assessment of Paonta Sahib Region Using LISS-III Imagery   **Nov'20**

Bachelor's

- ICT (C++) Application for Runoff Estimation   **Jul '18- Dec '18**
  Thesis B.Tech.
- Effect of Music on Plant Growth   **Aug '18**
  Article

INTERNSHIP PROJECTS

- To Assess the Crop Water Stress Using Sentinel-1 and Landsat-8 Satellite imagery for the part of the Hoshiarpur district of Punjab.   **Nov '22- Dec '22**
- Spatial Analysis of Monsoon Rainfall of Maharashtra Using Remote Sensing TRMM Data and QGIS   **Jan '19- May '19**

EDUCATION

Master of Science   **Oct '20- Ongoing**
Faculty of ITC, University of Twente   **India & Netherlands**
(UT) JEP with IIRS-ISRO
Geo-information Science and Earth Observation, 7.0/10

Bachelor of Technology   **Jul '15- May '19**
College of Agricultural Engineering   **Dapoli, Maharashtra**
and Technology
Agricultural Engineering, 7.34/10

12th Std   **Jun '14- Mar '15**
Alfred Gadney Jr. Science and   **Dapoli, Maharashtra**
Commerce College
Percentage, 76.77%

FIELD EXPERIENCE

- Collection of sugarcane biophysical parameters throughout the year during M.Sc. thesis.
- Performed grid and profile survey of Ramasagara and Netranahali watershed (Bellary) during summer training at IISWC & RC, Bellary (Karnataka)

CERTIFICATES

- Land In Focus: Agriculture and Food, EO College, European Space Agency.   **Jun '22**
- International Conference on Insight in Mechanical and Civil Engineering (ICIMCE), Ambi, Pune.   **May '19**
- Debate participation in MAHA-AGROVISION: Vision Towards Agro Innovation at KVK, YCMOU, Nashik.   **Apr '19**

LANGUAGES:

- English | Hindi | Marathi.