
N.Lochan patra

Bhubaneswar, Odisha, India | +91 7978494426 | lochanpatra@yahoo.com | English, Hindi, Odia

PROFILE , WEBSITES, PORTFOLIO

- <https://www.linkedin.com/in/lochan-patra-112443205/>
- <https://lochanpatra.github.io/>
- <https://github.com/lochanpatra>

PROFESSIONAL SUMMARY

Experienced professional in research and spatial technology with a passion for executing projects with responsibility and satisfaction. Eager to take on new challenges and excel in all aspects of my career.

SKILLS

Geospatial Analysis and visualization using tools including various technologies

- **Developer Tool:** VS code , Google Earth Engine, Colab, Jupyter Notebook, Git, ArcGIS, QGIS, Global Mapper, PowerBI
- **Library/Frameworks:** Django, React, Leaflet, Pandas , Geopandas, Scikit-learn, Rasterio, Geemap, Streamlit, Keras, NumPy, TensorFlow, Xarray, Matplotlib, SciPy, OSMNX and Seaborn etc.
- **Database:** PostGres, PostGIS, Geoserver
- **Language:** Python, JavaScript's, Html, R

EXPERIENCES

-----Project Delivery Head-----01-2024_Continue

-----Sayeishaa Mep and Arch solution Pvt. Ltd, Bhubaneswar -----

Project handling on various GIS and Remote sensing project Project:

- Crop classification & Yield Modeling of 26 States over USA
Technology : Machine Learning, SVM
- 10m Crop Mapping & Modeling of 10 States of USA
Technology: Machine Learning, CNN
- Water Surface Mapping & Modeling of Mississippi States of USA
Technology: Machine Learning, LVQ
- Urban Heat index Modeling of Wuhan city, China
Technology: Urban Modeling

-----Project Fellow -----05-2018 _05-2023

-----Dept. of Marine Sciences, Berhampur University, Odisha, India -----

- Experience working on several projects, including "Prediction of water quality along Puri, Konark stretch" funded by the National Centre for Coastal Research, Chennai, Ministry of Earth Sciences, Government of India and "Environmental monitoring of Gopalpur port during and after construction of all weather" funded by Gopalpur Port Ltd. and Monitoring of EIA Study and shoreline management.
- The retrieval, analysis, and modeling of geospatial data
- Created and analyzed spatial data for project work using GIS technology. Performed research and analysis to find possible project work solutions.
- Modeling work for possible project requirement solutions using a variety of tools, such as software and programming

-----**Freelancer & Trainer**-----

-----2014_2017

- Freelancing on GIS and project on various client

-----**Trainee Photogrammetric**-----

-----11-2013_04-2014

-----Matrix-Geo-Solution, New Delhi, India -----

- Digital terrain model. Digital surface model creation
- Digitization on Planimetry, Breaklines & point
- Contour generation, 3D generation

-----**Trainee Technician**-----

-----09-2012_06-2013

-----Charoen Pokphand Foods Public Company, Limited, Chennai, India -----

- Water quality parameter analysis
- Administrative management

-----**EDUCATION**-----

M.Sc.: Oceanography

Berhampur University: 2009-11

GPA: 68

-----**TECHNICAL CERTIFICATION**-----

- AUTOCAD: DataPro Centre, Berhampur, 2011
- Photogrammetry and GeoInformatic: IPGI New Delhi, 2013
- Data Visualization with Python: Cognitive Class, 2021
- Data Analysis with Python : Cognitive Class, 2021
- Basic in GIS : IIRS, Dehradun, 2021
- Big Data Applications : NWA, Pune, 2023
- Spatial analysis and Geospatial Data science with python : UDEMY, 2023
- WebGIS development course : UDEMY, 2023
- Artificial Intelligence for All: ATINGI.Org, 2023
- MOOC Machine learning in weather & climate : ECMWF, 2021
- Introduction to python programming : NWA, Pune, 2021
- Python essential 1: CISCO, 2021
- Python essential 2 : CISCO, 2021

-----**PUBLICATION**-----

- International symposium on “Advance in Coastal Research with Special reference to Indo Pacific-2019” by NCCR, Govt. of India.
- National Conference on Coastal ocean-Atmosphere and Technology 2020 by Dept. of marine sciences, Berhampur University.

-----**DISCLAIMER**-----

I hereby affirm that the fact and details stated here in are the entire true to the best of my knowledge.
Bhubaneswar

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