

N.Lochan patra

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| github.com/lochanpatra/lochanpatra | Language-English, Hindi, Odia

Professional Overview:

To become a successful researcher and spatial technology specialist by applying my intelligence and self-assurance in all areas of the field and by carrying out each project with accountability, effort, and fulfilment. I am a capable, driven professional who thrives on challenges and strives for excellence.

Experience:

Project Delivery Head

Sayeishaa Mep and Arch solution Pvt. Ltd, Bhubaneswar

01-2024_Continue

- Project handling on various GIS and Remote sensing project

Project:

- Crop classification & Yield Modeling of 26 States over USA
Technology : Machine Learning, SVM
Developer tool: Google Earth Engine, Colab, Jupiter Notebook
Language: JavaScript's & Python
 - 10m Crop Mapping & Modeling of 10 States of USA
Technology: Machine Learning, CNN
Developer tool: Google Earth Engine, Colab, Jupiter Notebook
Language: JavaScript's & Python
 - Water Surface Mapping & Modeling of Mississippi States of USA
Technology: Machine Learning, LVQ
Developer tool: Google Earth Engine, Colab, Jupiter Notebook
Language: JavaScript's & Python
 - Urban Heat index Modeling of Wuhan city, China
Developer tool: Google Earth Engine, QGIS
Language: JavaScript's & Python
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Project Fellow (Physical Oceanography)

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

05-2018 _05-2023

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

Freelancer

Individual & Trainer

2014_2017

- Freelancing on GIS and project on various resource
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Trainee Photogrammetric

Matrix-GeoSolution, New Delhi, India

11-2013_04-2014

- Digital terrain model. Digital surface model
 - Planimetry
 - Contour generate, 3d generation
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Trainee Technician

Charoen Pokphand Foods Public Company, Limited, Chennai, India

09-2012_06-2013

- Water quality parameter analysis
 - Administrative management
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Education:

- M.Sc. (Oceanography)

Berhampur university 2009-11 Percentage 68

Training certification:

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|---|-----------------|------|
| ▪ AUTOCAD from 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 from | 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 |

Skill:

- Geospatial modeling using various tool including various technologies

Developer Tool: VS code editor, Google earth engine, Colab, Jupyter notebook, Git, ArcGIS,QGIS, Global Mapper, PowerBI

Library/Frameworks: Django, React, Open layer, Pandas , Geopandas, Scikit-learn, Rasterio, geemap, streamlit, Keras, NumPy, TensorFlow, Matplotlib, SciPy and Seaborn etc

Language: Python, JavaScript's, Html

Conferences:

- 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.

Declaration:

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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