

DILSHANI RUBASINGHE



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Portfolio: https://dilshanirubasinghe.github.io/Dilshani_Portfolio/

Summary

I am a highly analytical and detail-oriented GIS Assistant with over 2 years of experience in Ecological surveys, GIS mapping, GIS analysis data sets into actionable insights using Qgis Software, developing python programs to developing cutting edge technology and presenting them to stakeholders in a clear and concise manner. With a passion for continuous learning and staying abreast of industry trends. I am confident in my ability to bring a data-driven perspective and python programming developments to your organization and contribute to its growth and success.

Experiences

GIS Assistant 12/2022 - Present Genesiis Software (Pvt) Ltd.

GIS related Machine Learning programing, Python coding and satellite images reselling Collaboration with MAXAR, USA.

- Developed and deployed object detection and segmentation models using Python, TensorFlow, PyTorch, and Keras.
- Environmental data management and analysis.
- Implemented and optimized machine learning workflows in VS Code, ensuring efficient code management and version control.
- GIS mapping- Qgis, Arc GIS
- GitHub: Experience with pushing and pulling code repositories
- Customer follow-ups and communication with clients.
- Experience in preparing technical reports and presenting field findings.
- Proficient in conducting field surveys in diverse ecological zones.

Intern-GIS Analyst 08/2022 - 11/2022 (Department of Coast Conservation and Coastal Resources Management Department)

- Analyzed large sets of data to inform coastal erosion and coastal accretion regions along Matara district Coastline.
- Created and implemented a data visualization mapping that showed coastal erosion and accretion.
- Ensure maintenance of Data Accuracy and Compatibility. Maintain 100% Data Accuracy
- Proficient in data processing tools and software for ecological and satellite data validation.



Software Proficiency

- GIS Software: Arcgis, QGis
- Remote sensing tools: Google Earth Engine, ENVI, ERDAS Imagine
- Data processing: Python, R, MATLAB
- Field navigation: DGPS and handheld GPS devices.

Skills

- Ecological Survey
- Environmental Data Analysis
- Field work and remote area Operations
- PyTorch, tensorflow, Unet-Keras, Yolo deep learning frameworks and modelling
- Geographic Information Systems (GIS)
- Data Analytics
- Project Management and communication
- Problem Solving and critical thinking
- Proficient in conducting field surveys in diverse ecological zones.

References

Mr.Nishshanka Rodrigo - Senior GIS Specialist

[Genesiis Software \(Pvt\) Ltd\)](#)

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Dr. K. M. Ratnayake

[Senior Lecturer of Department of Oceanography and Marine Geology, university of Ruhuna](#)

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Education

Python Programming	12/2023 - 04/2024
University of Moratuwa (DP education)	
Python for Beginners	12/2022- 05/2023
University of Moratuwa (DP Education)	
Front End Development	03/2023- 06/2023
University of Moratuwa (DP Education)	
BSc Hons. Marine and Freshwater Science (Specialized: Oceanography and Marine Geology)	
2018-2022	
University of Ruhuna	

Mrs. K. V. U. I. Edirisooriya -Lecturer
[University of Ruhuna](#)
E-mail: indiedirisooriya@gmail.com

Publications

Title: **GIS-based analysis of coastal vulnerability in southern province of Sri Lanka: insights from Matara district coastal area**

[Ratnayake, KM; Edirisooriya, KVUI; Rubasinghe, DM](#)

URI: <http://dl.lib.uom.lk/handle/123/21953>