

# Meera M R

## Contact

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9496478400

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## Skills

Image Processing

Image Classification

Spatial data analysis

Statistical modelling

ArcGIS 10.5

QGIS 3.22.0

Google Earth Engine

R Programming

Python Basics

## Summary

Incisive and exceptionally committed professional with experience in GIS analysis. Demonstrates passion towards Data science. Equips solid proficiency in map production, image processing and analysis. Well versed in ArcGIS, QGIS, Google Earth Engine, R and Python. Performs well in team.

## Education

**2021 - 2024(pursuing) IIT Madras Online Degree**

B Sc: Programming and Data Science

**2016 - 2018**

**Gandhigram Rural Institute**

M Sc: Applied Geology and Geomatics

**2013- 2016**

**Mahatma Gandhi University, Kerala**

B Sc: Geology and Water Management

**March 2013**

**Bhavans Newsprint Vidyalaya**

10+2 : Central Board of Secondary Education

**March 2011**

**Fatima Matha H S S Piravom**

SSLC: School of Public Examinations, Kerala

## Experience

**Project Intern - SACON-IISER Tirupati**

**Nov 2018-Aug 2020**

- Mapped the change in land use and land cover of natural and man-made habitats using Google Earth Engine
- Temporal climate change analysis using global climate models to find out the impact of climate change in tropical montane habitats using ArcMap
- Produced maps for grid based survey
- Occupancy analysis in R Studio
- Digitization of old survey data and topographic maps
- Deriving topographic indexes for landscape analysis

## Languages

English

Malayalam

Hindi

Tamil

## Poster Presentations

- Meera M R\*, Jobin Varughese, Dharmarajan G, Shomita Mukherjee, Nandini Rajamani, V V Robin, Climatic Variation in Western Ghats: Possible Impacts on Birds. National Symposium on Avian Biology, IISER Tirupati, Dec 2019.

## Project

- MSc Dissertation on 'Lithological Discrimination Of Ultramafic Rocks Of Gobichettipalayam, Erode District, Tamil Nadu Using ASTER Data'

## Certifications

- 'What is Data Science', an online non-credit course authorized by IBM and offered through Coursera
- 'Nature based Solutions for Disaster and Climate Resilience', a certificate course developed by the United Nations Environment Programme (UNEP) and the Partnership for Environment and Disaster Risk Reduction (PEDRR), and offered by edX

## References

- **Dr.S. Arivazhagan**  
Assistant Professor, Centre for Applied Geology,  
Gandhigram Rural Institute  
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- **Shibin John**  
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