



# JENY SAM

M.Sc. Marine Geophysics Student

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Kochi, India

## Professional Profile

Ambitious M.Sc. Marine Geophysics student with a strong foundation in Physics. Passionate about understanding Earth's deep processes through Geomagnetism and Solid Earth dynamics. Seeking to leverage computational skills in Python, MATLAB, and GMT to contribute to high-impact research at premier institutes like IIG Mumbai.

## Education

M.Sc. Marine Geophysics 2025 - Present

Cochin University of Science and Technology (CUSAT), Ernakulam, Kerala

B.Sc. Physics 2021 - 2024

Assumption College (Autonomous), Changanassery, Kerala

## Technical Skills

**Languages:** Python, C++, MATLAB, R

**Tools:** GMT, QGIS, ArcGIS

**Libraries:** Matplotlib, NumPy

## Research Interests

### Geomagnetism

Analysis of secular variations and understanding crust-core magnetic interactions.

### Marine Geophysics

Morphological studies of ocean floor and sedimentary basin analysis.

### Groundwater Exploration

Geophysical methods for aquifer mapping and hydrogeological studies.

### Solid Earth Processes

Computational modeling of geodynamic processes.

### Seismology

Earthquake data processing and source mechanism studies.

## Languages

English, Malayalam (Native), Hindi, French (Basic)