



JENY SAM

M.Sc. Marine Geophysics Student

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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)