Job Title: Marine Biologist

Job Responsibilities:

- Conduct field research and ecological assessments of coastal and marine ecosystems, including mangroves, seagrasses, coral reefs, and salt marshes.
- Analyze biodiversity, ecological health, and carbon sequestration potential of marine habitats to support conservation and climate change mitigation efforts.
- Collect, process, and analyze environmental and biological data from coastal blue carbon ecosystems.
- Collaborate closely with GIS, remote sensing, and GeoAI teams to validate ecosystem data derived from drone and satellite imagery, ensuring the accuracy of spatial and temporal models.
- Monitor environmental changes in marine ecosystems, such as habitat degradation, restoration progress, and the impact of climate change on blue carbon ecosystems.
- Prepare comprehensive reports, policy briefs, and scientific publications to disseminate research findings to stakeholders, including government bodies, conservation groups, and the scientific community.
- Contribute to the design and implementation of marine conservation strategies and blue carbon projects, advising on ecosystem management and restoration practices.
- Engage with local communities, NGOs, and policymakers to promote awareness of marine conservation issues and the importance of coastal ecosystem preservation.

Qualifications and Skills:

- Master's degree in Marine Biology, Ecology, Environmental Science, or a related field (PhD preferred).
- Extensive knowledge of coastal and marine ecosystems, with specific expertise in blue carbon ecosystems such as mangroves, seagrasses, coral reefs, and salt marshes.
- Proven experience in conducting fieldwork, including biodiversity assessments, carbon quantification, and ecosystem monitoring.
- Familiarity with environmental data collection tools and techniques, including water quality monitoring, species identification, and habitat mapping.
- Ability to work collaboratively in multidisciplinary teams, integrating biological data with GIS, remote sensing, and AI-driven models.
- Strong analytical and problem-solving skills, with a track record of scientific writing and publication in peer-reviewed journals.
- Effective communication skills for presenting research findings to both scientific and non-scientific audiences.
- Knowledge of marine conservation laws, policies, and international frameworks (such as the Blue Carbon Initiative) is an advantage.