JOIN OUR TEAM TODAY!

Job Desc ID: AY.JD.IN.013.A_2025.06.19

Job Title: Propulsion Systems Intern

Location: Remote
Type: Internship (Full-Time and Part-Time Hybrid)
Duration: 6 months

About AstraYAN:

AstraYAN is an innovative deep-tech start-up focused on pioneering the future design of marine and naval vessels. We specialize in developing advanced engineering solutions and platform systems for smart and unmanned vessels. As a start-up, we value creativity, collaboration, and adaptability. If you are passionate about shaping the future of marine technology, we would love to have you join our team.

The Role:

We are looking for a dynamic Propulsion Systems Intern to support the integration, modelling, and analysis of ship propulsion components and architectures. This role offers a unique opportunity to work on high-performance marine engineering systems and understand real-world design and testing protocols.

Key Responsibilities:

- Assist in the development and integration of ship propulsion systems
- Support feasibility studies and trade-off analysis of propulsion architectures
- Work on propulsion system modelling using MATLAB/Simulink or similar tools
- Review and organize supplier drawings, specifications, and technical documentation
- Help in simulation, validation, and testing of propulsion systems in digital or lab environments
- Assist with documentation, design reviews, and internal reporting

What We're Looking For:

Minimum Qualifications:

- Completed 3rd year B.Tech or 1st year M.Tech in Mechanical, Ocean Engineering, or Naval Architecture
- Familiarity with ship propulsion basics and marine system integration
- Exposure to modelling tools like MATLAB/Simulink
- Strong analytical thinking and interest in marine technology
- Ability to collaborate remotely and communicate effectively

Preferred Qualifications:

- Basic understanding of propulsion control systems
- Exposure to marine classification norms and standards
- Hands-on project work related to engines, propellers, or energy systems
- Familiarity with system design review practices or MBSE principles
- Coding experience in C++ or simulation-based programming

Why Join Us?

- **Real Impact:** Engage in live projects shaping modern marine propulsion
- **Mentorship:** Collaborate with senior marine engineers and naval architects
- **Innovation Culture:** Apply emerging tools to real-world marine challenges
- **Remote Flexibility:** Work from anywhere with support and structure
- **Career Growth:** Excellent stepping stone for industry or higher studies

How to Apply

Send your resume and (optional) portfolio/project report to **careers@astrayan.com** with the subject line: **"Propulsion Systems Intern Application"**