



# AYUSH DEEP

## Naval Architecture & Ocean Engineering

Hardworking and enthusiastic College Student pursuing B.Tech in Naval Architecture & Ocean Engineering, a Hobbyist Programmer, Dedicated, hardworking, and committed to becoming a dependable and valuable team member.

## Contact



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[Portfolio Website](#)



IMU, Visakhapatnam

## Education

### B.Tech (NA&OE)

Indian Maritime University

2022-2026 | CGPA: 8.8

Visakhapatnam, Andhra Pradesh

### Higher Secondary

DAV Public School

2020-2022 | Percentage: 82%

Bokaro, Jharkhand

## Skills

Python



MS Office



Maritime IoT



Rhino 3D



Canva



Napa



Ansys



AutoCad



MS Office



## Experience

### Student Researcher

IMU - BatStateU MoU

Dec 2024 - Ongoing

- Developed concept design for fin actuation mechanism of biomimetic AUV.
- Conducted Structural Analysis for fin loading under extreme conditions

### Project Intern

Perfomax.io

June 2025 - July 2025

- Conducted Data Analysis of Engine Data and performed Predictive Forecast algorithm
- Operated on Modbus/Canbus Communication Methodology
- Performed OTA Protocol Implementation
- Developed Database Application for Engine Room/ Machinery Space Alarm monitoring system

### Student Intern

Hooghly Cochin Shipyard Ltd.

Dec 2024 - Jan 2025

- Worked on various aspects of 40T ASD BP Tugboat
- Preparation of Technical Evaluation Report of equipments
- Production Design QC of 6S Block, Deck House (DH)
- Conducted Tidal inspections for Launching Calculations

### Project Intern

Eunoia Innovations

June 2024 - July 2024

- Worked as intern for interfacing underwater sensors with microprocessors and establishing LoRa based comms system for USVA prototype

### IAMUS 2024 | Student Author

Massachusetts Maritime Academy

Feb 2024 - Oct 2024

- Co-authored a paper titled, "Analysis and Validation of Fresnel-Lens based Solar Heat Accumulator for Auxiliary System of Passive Solar Distillation Device"
- Worked on numerical analysis conducted and designed a custom 3D MODEL for the same.

## Positons

### Advisor

Build-Neo

Sept 2023 - Present

- Current Head of student-led R&D initiative-Build-NEO
- Worked on various functional boat models/projects
- Participated in various Maritime Paper Conference