

TECHNICAL COMPETENCIES

CAD/CAE: Proficient in CATIA V5 (300+ hours), AutoCAD, Ansys (CFX)

Programming: Python

Research: Systematic Reviews, Bibliometrics (VOSviewer)

PROFESSIONAL SUMMARY

Naval architect with a strong foundation in marine systems design and AI prompt engineering. Proficient in CAD/CAE tools and Python, with a focus on optimizing marine structures. Seeking to leverage technical skills and innovative thinking in a challenging marine engineering role.

SOFT SKILLS

Teamwork / Problem-solving / Communication

ENGINEERING PROJECTS

- | | | |
|------|---|---------------------------------|
| 2025 | Autonomous Trimaran Vessel Design | Design Engineer |
| | <ul style="list-style-type: none">Engineered the trimaran hull and outriggers in CATIA, and validated hydrodynamic stability and structural integrity using Ansys simulations.CATIA V5 / Ansys | |
| 2023 | Autonomous Surface Vehicle Prototype | Lead Structural Designer |
| | <ul style="list-style-type: none">Optimized hull design reducing 15% weight via topology optimization.CATIA V5 / Python | |

RESEARCH

- | | | |
|------|--|--|
| 2025 | Study and Investigation of Required Infrastructure for Laser Welding Application in Marine Industries | |
| | Research Assistant under the supervision of Dr. Iman Farahbakhsh | |
| | <ul style="list-style-type: none">Analyzed the infrastructural requirements for implementing laser welding systems in shipyards. | |

WORK EXPERIENCE

- | | | |
|----------------------|---|-------------------------------------|
| July 2025 - Aug 2025 | Internship | ISOICO |
| | <ul style="list-style-type: none">Currently undergoing an internship in marine engineering and systems design.Gaining practical experience in a marine industrial environment and familiarization with ISOICO's processes.Completed units in the Planning and Program Department, Engineering Design Office, and QC Office. | |
| Aug 2025 - Oct 2025 | Plan Approval Engineer | Royal Classification Society |
| | <ul style="list-style-type: none">Working on plan approval processes.Completed inspection and design approval courses within the company. | |

EDUCATION

2022-Present **B.Sc. Marine Engineering** Amirkabir University of Technology

- Top 10% Cohort

TEACHING EXPERIENCE

2024 **Teaching Assistant: Dynamics**

- Led weekly problem-solving sessions to reinforce complex engineering principles.

2023 **Teaching Assistant: Physics I**

- Conducted workshops to reinforce fundamental principles of Newtonian mechanics.

PROFESSIONAL CERTIFICATIONS

2026 **Introduction to Ballast Water Management**  [\(View\)](#) International Maritime Organization

- Successfully completed the eLearning course on Ballast Water Management and Compliance Monitoring and Enforcement.
- Gained knowledge on the BWM Convention, compliance monitoring procedures, and enforcement standards.

2025 **Lathe Machine Setup and Operation**  [\(View\)](#) Technical and Vocational Training Organization

- Successfully completed the practical course on Lathe Machine Setup and Operation.
- Gained hands-on experience in machining mechanics, tool setup, and operational safety.

2025 **Oil Pollution and Response (Introductory)**  [\(View\)](#) International Maritime Organization

- Successfully completed an introductory course on oil pollution preparedness, response, and cooperation.
- Gained knowledge on international conventions and best practices for combating marine pollution incidents.

2025 **One Million Prompters Initiative**  [\(View\)](#) Dubai Future Foundation

- Successfully completed training in prompt engineering for AI systems
- Contributed to the Dubai Universal Blueprint for Artificial Intelligence

2025 **Advanced AutoCAD with Practical Tips**  [\(View\)](#) Faradars Institute

- This course focused on advanced AutoCAD techniques for technical offices, optimizing design processes.
- Emphasized practical tips for time-saving and precise drawing management, enhancing professional efficiency.

2025 **Fiberglass and Hand Lay-up Workshop** Amirkabir University of Technology

- Gained hands-on experience with composite materials and manual lamination techniques.
- Successfully fabricated a multi-layer fiberglass panel, ensuring proper curing and adhesion.

2024 **Technical Documentation with \LaTeX**  [\(View\)](#) Amirkabir University of Technology

- Developed 15+ technical templates for engineering documentation

2023

SMAW Welding Skill Certificate

 [\(View\)](#)

Technical and Vocational Training Organization

- Manual Electrode Welding Techniques (85% practical hours)
- 98% safety compliance score

LANGUAGES

English: Intermediate **Persian:** Native