

CHARU S M

charusubbian@gmail.com

9025186840 | Chennai | [linkedin.com/in/charusm](https://www.linkedin.com/in/charusm) | github.com/Charusm03

PROFESSIONAL PROFILE

Full Stack Developer skilled in building scalable applications and enhancing user experiences through clean, modular code. Passionate about AI-driven, cross-domain solutions that transform complex problems into impactful real-world applications.

EXPERIENCE

Deep Sea Intern - National Institute of Ocean Technology Jun 2025 - July 2025

- Developed an ML-based coral identification system, performing data preprocessing, model building, and evaluation for underwater object detection.
- Gained multidisciplinary exposure to advanced deep-sea technologies, including ROVs, AUVs, and the upcoming manned submersible Samudrayaan.

EDUCATION

Bachelor of Information Technology 2023 - 2027
Easwari Engineering College, Chennai CGPA - 8.88

12th Grade (Science – PCMB) 2022 - 2023
Vanavani Matriculation Higher Secondary School Percentage - 88.33

PERSONAL PROJECTS

VendorVibe – Street Vendor & Supplier Platform July 2025

- Developed a full-stack platform with separate logins and validation for vendors and suppliers.
- Integrated real-time notifications and API-based product management for smooth interactions and reliable order tracking.

Corals Identification – NIOT Project Jun 2025 - July 2025

- Developed an automated underwater object detection pipeline using YOLOv12.
- Extracted & annotated frames from video datasets for ML model training.

Kuaibite – Food Ordering System Feb 2025 - Apr 2025

- Built a complete ordering platform with login, cart, and checkout using HTML, CSS, JavaScript.
- Integrated MySQL backend for user authentication & order storage, with JSON-based backend communication.

SKILLS

- **Languages:** English, Tamil, Hindi (Elementary Proficiency)
- **Achievements:** Two Stars in C (HackerRank)
- **Certifications:** Python Essentials (CISCO), CCNA Level 1 – Introduction to Networks (CISCO), Learnathon (ICT Academy)
- **Leadership & Volunteering:** Junior Documentation Head – Energy Club of EEC, NSS Volunteer, Content Team – Campus Life