

THARUN KRISHNA CU

FULL STACK DEVELOPER



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EXPERTISE

Languages & Frameworks:

Python, C, C++, JavaScript,

HTML, CSS, React, Django,

QML

Tools & Platforms:

Git, GitHub,

Figma, Adobe Photoshop,

Canva, Microsoft Office

Other Skills:

UI/UX Design, Full

Stack Development,

Version Control, Technical

Documentation

Hardware Exposure:

Basic experience with Arduino

UNO & ESP32

(IoT/Robotics)

EDUCATION

B. TECH CSE (DATA SCIENCE)
Christ College of Engineering,
APJAKTU, Thiruvananthapuram
2024 - *

CLASS XII

National HSS, Irinjalakuda,

Thrissur

99%

2022 - 2024

CLASS X

National HSS, Irinjalakuda,

Thrissur

100%

2021 - 2022

PROFILE

Detail-oriented and creative full-stack developer with a strong foundation in Python, React, Django, and UI/UX design. Currently serving as **Co-COO of IEDC CCE** and **CS Team Lead Intern** for an interdisciplinary underwater rover project. Experienced in leading teams, organizing tech events, and delivering intuitive user experiences. Passionate about blending design with technology to build impactful solutions.

EXPERIENCE & POSITIONS

- Co-COO, IEDC CCE Executive Committee 2025. (*Ongoing*)
- CS Team Lead Intern - Interdisciplinary Underwater Rover Project. (*Ongoing*)
- Media Team - BeachHack Season 6 (Poster & Digital Design). (*February 2025*)
- Volunteer - Pravaah 2025 (Design & Event Coordination). (*February 2025*)
- Design Team Lead – Data Science Internship Drive CCE (DID). (*Ongoing*)

PROJECTS

- **Underwater Rover – CS Team Lead**
CS Team Lead Intern under the guidance of Sunil Paul Sir.
Customizing QGroundControl (QGC) for GPS logging, control interfaces for water/sediment sampling.
Collaborated with mechanical and electronics teams for seamless integration. (*Ongoing*)
- **Traffic Management System – Flask + CV**
Tech: Python, Flask, OpenCV, HTML/CSS
Developed a real-time dashboard to analyze vehicle count and traffic congestion using CCTV footage.
Led the UI/UX and backend development for real-time analytics visualization.
Presented at Department Expo (April 2025)
- **Solar Mobile Charger – Hardware Project**
Assembled a portable solar-powered charger using photovoltaic cells.
Focused on sustainability and practical energy use cases.
Electronics & Communication Dept. Expo (Dec 2024)

HIGHLIGHTS & PARTICIPATION

- Useless Projects 2.0 – 6-hour makethon by TinkerHub CCE. (*August 2025*)
- CODE reCET 2.0 – 36-hour national-level hackathon. (*July 2025*)
- HackGenAI 2025 – India's largest GenAI Hackathon (24-hr). (*July 2025*)
- 2nd Prize – Business Plan Presentation, Christ College of Engineering. (*July 2025*)
- DISPUTOPIA Debate Competition, Christ College. (*February 2025*)
- WAR ROOM Startup Simulation, Govt. Engineering College, Thrissur. (*March 2025*)
- 2nd Prize – Idea Pitching, BeachHack 2025. (*February 2025*)
- CodeFix – Debugging Competition. (*February 2025*)
- Evolve 1.0 – IEDC Idea Pitch. (*October 2024*)

OTHER INITIATIVES & DESIGNS

- Designed layout for CS Department Magazine 2025
- Created UI design for the Data Science Department website
- Started the 2024–28 Data Science Batch Page
- Contributed to the College Newsletter Designs

DECLARATION

I hereby declare that the information provided above is true to the best of my knowledge and belief. I take full responsibility for the authenticity and accuracy of the details mentioned.