

ARJEESH CHRISTAL

**AEROSPACE ENGINEERING STUDENT | DRONE
& WEB TECH ENTHUSIAST | SIH 2024 WINNER**

Third-year Aerospace Engineering student with hands-on expertise in UAV design, web technologies, and national-level innovation competitions. Seeking to leverage interdisciplinary skills in aerospace systems and software development.

WORK EXPERIENCE

Freelance Web Developer

- Developed and maintained websites for 4+ small businesses.
- Worked at DOI&T Rajasthan, on video conferencing
- Worked at Gandhi TV, as web developer

IEEE Karunya Student Branch

- Webmaster – Managed and maintained the IEEE SB website
- Vice Chair (Interim) – Supported event planning, team coordination, and tech activities

CONTACT



+91 9351906003



arjeesh2005@gmail.com



Karunya Nagar, Coimbatore,
Tamil Nadu



/arjeesh



christal.college



ArjeeshChristal - Overview

ArjeeshChristal has 5 repositories available. Follow their code on GitHub.



EDUCATION

Karunya Institute Of Technology And
Sciences

Bachelor of AeroSpace Engineering
(2023-2027)

Courses: Thermodynamics,
Aerodynamics, Web Dev, Programming

LANGUAGE

- English
- Hindi
- Malayalam

SKILLS SUMMARY

TECHNICAL SKILLS



MAJOR PROJECTS & ACHIEVEMENTS

🏆 Swavalamban 2024 Winner – Awarded by the Defense Minister of India at Bharat Mandapam for developing a swarm drone coordination simulation system

🏆 Smart India Hackathon 2024 Winner – Designed a software-hardware-defined drone integrated with Raspberry Pi; demonstrated autonomous capabilities with 1D LiDAR-based obstacle avoidance

🏆 Top 5 Finalist – Bhashini Gov. of Maharashtra Challenge – Drone solution with GUI, human detection, geotagging, and disaster management APIs; competed with leading Indian startups

🏆 Cyberthon Runner-Up – Developed a 3D-printed autonomous drone with RTSP live-streaming, onboard AI/ML, and ground-station GUI.

✈️ Advanced UAV Systems-Based UAVs – Designed and deployed quadcopter and hexacopter UAVs using Pixhawk, integrated with autonomous flight protocols. Simulated inter-drone communication and coordination.

📖 Nozzle Core Length Analysis – Researched and authored a journal on nozzle design and potential core length for aerospace propulsion systems

🏆 Runner-Up – Boeing Aero Modeling 2023 @ Shaastra, IIT Madras – Competed in fixed-wing aircraft miniaturization challenge