



## Technical Projects

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### Autonomous Drones

- Worked on developing versatile AI drive autonomous Drones .
- Skills used : ROS 2 , controller s, Filters , Machine Learning , Sensor Fusion and Simulation.

### Custom Remote controlled Drone\_

- Developed a drone and the remote that communicate using Radio frequency.
- Skills used : C++ , Arduino , Designing , RF communication.

### IoT based Home Automation System

- Developed automation system based around ESP 32 controller
- Skills used : C++ , API ,PCB Designing , Web Hooks.

### Code for Challenge

- Multipurpose Ed-Tech website to provide interactive coding environment
- Skills used : React , Spring Boot ,MongoDB.

## Scholastic Achievements

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- **Cognizance 2025**(IIT – Roorkee) : Winner at Sky maneuver Event
- **Innovation Mela 2025**(MAIT-Delhi) : Best Innovation of the Year(1<sup>st</sup> Position)
- **Promatu 2025**(IIT – Jodhpur) : 2<sup>nd</sup> Runner Up in Battel Bot.
- **SARC -2025**(IIT – Madras) : Made in to Top 10 finalist teams

## Platform Worked

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- Operating Systems: Windows, Ubuntu
- Programming Skills : C, C++, Python, Java, JavaScript
- Database : MySQL, MongoDB
- Web Designing : JavaScript, CSS, NodeJS, Express, MongoDB & Git
- Software Skills : VS Code, GitHub, Postman, Arduino, ROS2
- Frame Work : ReactJS, Spring boot

## Hobbies

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- Chess, Flute, Poem writing, Music, Exploration