Yadi choudhary

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Objective

A passionate and inquisitive 2nd-year computer science Engineering undergraduate, driven by a strong interest in research, innovation. Actively seeking opportunities to explore and contribute to cutting-edge technologies, with a focus on robotics, IoT, and Artificial Intelligence. Eager to blend technical expertise with entrepreneurial spirit to create impactful, real-world solutions.

EDUCATIONAL QUALIFICATIONS

Year	Qualification	Institution
2023 - 2027	B.Tech (computer science)	**Sir Chhotu Ram Institute of Engineering Technology (SCRIET)**
2022	Class 12th – CBSE Board	**Indraprastha Public School ,Muzaffarnagar**
2020	Class 10th – CBSE Board	**M.G public school ,Muzaffarnagar**

Work Experience

NDRF *(goR&D Project)*   Jan'25 - Present

- Developed a fully Autonomous Drone for search and rescuer mission and Emergency Medical and Food Supply

IIT – Delhi *(Research Intern)*   Present

- Working on developing Swarm based drone technology and AI driven system

Technofarm, Muzaffarnagar (*Intern***)**   May'23-Sept'23

- https://www.technofarm.in/#
- Worked in developing a website and inventory management system.
- Designed remote based Home automation.

Technical Projects

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

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

Platform Worked

- Operating Systems: Windows, Ubuntu
- Programming Skills :   Java, C, Python, Java, JavaScript
- Database   :   MySQL, MongoDB
- Web Designing   :   Spring boot, JavaScript, React, AWS, Docker , kubernetes, MongoDB & Git
- Software Skills   :   VS Code, GitHub, Postman, Arduino
- Frame Work   :   ReactJS, Spring boot , PyTourch
- AI work   :   scikit-learn, TensorRT, Pytrouch
- Robotics   :   ROS2, Gazebo, Stablebaseline_3

Hobbies

- Robotics , Embedded electronics