

Mujtaba Hassan

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Professional Summary

Motivated Mechanical Engineering student with strong interest in robotics, CAD design, and IoT integration. Skilled in AutoCAD, MATLAB, Fusion 360, Arduino, and Python. Passionate about combining mechanical systems with AI/ML technologies to create innovative solutions.

Education

IIITDM Kurnool

Kurnool, India

B.Tech, Mechanical Engineering

2024-2028

Relevant Coursework: Mechanics, Robotics and Automation, Thermodynamics, AI/ML Basics

Projects

OMNI ROVER 360 CAR

A startup initiation at Dolphin's Tank

2025

- Designing an Arduino-based robotic car with multi-directional obstacle sensing, terrain

classification, and auto-retrace functions.

- Integrating servo motors, encoders, and RGB LEDs for smart navigation and real-time alerts.
- Developed a Omni Rover remote control car using Arduino and sensors to assist small deliveries in workshops.
- Gained hands-on experience in embedded systems, circuit design, and assistive technology.

Skills

Programming: Python, C++, MATLAB, Arduino C

CAD Tools: AutoCAD, Fusion 360,
Blender (Beginner)

Other: IoT (Arduino, Blynk, Twilio), Machine Learning (Basics)

Interests

Robotics, Aerospace Systems, CAD Design, Artificial Intelligence, Machine Learning, Renewable Energy

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