

Vipul Sharma

Jhinjhak kanpur Dehat

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Objective

Pre-final year B-Tech Computer Science & Engineering student specializing in IOT. Proficient in Python, Java, C++, including with Data Structure and Algorithms. I'm currently studying the Internet of Things. Working with IoT protocols, sensors, and microcontrollers to create intelligent solutions that improve automation and efficiency is part of my experience.

Education

- **Lamrin Tech Skills University** 2023-2027
Btech CSE
7.5

Technical Skills

- Arduino UNO
- Embedded System Basics
- Sensors and Actuators (DHT11, Ultra sonic, IR)
- Networking Protocols: MQTT, HTTP etc.
- Programming Languages: Python, C++, Java basics.
- Web Technologies: HTML, CSS.
- PCB Design (Tinkercad Simulation)

Projects

- **Automatic Robo Vacuum Cleaner**

The Automatic Robot Vacuum Cleaner project aims to design and develop an intelligent, autonomous cleaning device that can navigate and clean various floor surfaces with minimal human intervention. This project combines robotics, artificial intelligence, and sensor technology to create a user-friendly and efficient cleaning solution for homes and offices.

- **Insurance Risk Management Using Telematics**

Technologies: Python, IoT, Data Analytics

Developed a system leveraging telematics data (e.g., speed, braking, location) to assess driver behaviour and calculate insurance risk scores. Performed data preprocessing, behaviour analysis, and risk profiling to support usage-based insurance models

Soft Skills

- Problem solving.
Team work