# Dhanurdhar Sharma

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## PROFESSIONAL SUMMARY

A Computer Science Engineering student with hands on experience in Iot, web development. Seeking an internship to apply my technical and analytical skills to solve real-world problems and contribute to impactful projects .

## Education

- Computer Science Engineering | University of Engineering and Management, Jaipur
  CGPA : 8.85                                                     (2022-2026)
- XII (RBSE) | Shri Maheshwari Sr. Sec. School, Tilak Nagar
  Percentage : 76.6%                                             (2021-2022)

## SKILLS

- Python
- Arduino and Rasberry Pi
- HTML, CSS, Javascript
- PHP
- SQL

## PROJECTS

- **Library Management System**
  A library website with E-books and a Library Management System for efficient book tracking and student access.
  Utilized PHP, HTML, Tailwind CSS, and MySQL.

- **Dynamic Traffic Light System**
  Developed a hardware-based system using Raspberry Pi 5 and a custom-trained YOLOv8 model to manage traffic at intersections. The system dynamically adjusts traffic light durations based on real-time vehicle detection and lane congestion, offering an intelligent alternative to traditional fixed-timer traffic lights.
  Utilized : Rasberry Pi 5, OpenCV, YoloV8, Roboflow

- **Smart Home Automation**
  Developed an Iot device with a mobile app to convert traditional home appliances into smart appliances. The system includes additional features like auto-control of a cooler and air purifier based on environment conditions.
  Utilized : Arduino IDE, ESP-32, Flutter, MQ135 sensor etc..

## ACHIEVEMENT

- I got 6'th rank in the first semester of my Btech CSE.
- I got 9'th rank in the second semester of my Btech CSE.
- I got 10'th rank in my fifth semester of my Btech CSE.

## Extracurricular Activities

- Member at Codesta Club , UEM Jaipur                          (Mar 2022)
- Participated in initiatives to promote coding culture within the university
  Volunteered in organizing a university level coding competition