

# Ujjwal Lehri

[My Portfolio](#)

IoT Developer | Embedded Systems Developer | Web Developer

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## EXPERIENCE

### • Web Developer, New Delhi — *Freelancer*

2023 - PRESENT

Develop dynamic and responsive web applications using HTML, CSS, and JavaScript for the frontend. Implement Flask APIs and manage MySQL databases for robust backend solutions.

### • Cyberange, New Delhi — *Internship*

December 2023 - February 2024

During my internship at CyberRange, I gained hands-on experience in SQL, Embedded C++, and Python, working on electronics and IoT projects with Arduino and Raspberry Pi. I also integrated hardware with online services using Node-RED and managed version control with Git, building a well-rounded skill set in software and hardware development.

### • Delhi Metro Rail Corporation (DMRC), New Delhi — *Industrial Training*

June 2022 - July 2022

During my 4-week summer training at DMRC's rolling stocks department, I gained practical insights into metro system components and technologies, deepening my understanding of metro train operation, maintenance, and infrastructure.

## EDUCATION

### • School University School of Information, Communication & Technology, New Delhi — *B.Tech in CSE*

2024 — 2027

### • Pusa Institute of Technology, New Delhi — *Diploma in ECE*

2020 — 2023

### • Rajkiya Pratibha Vikas Vidyalayas, New Delhi — *Secondary Education*

2019 - 2020

## PROJECTS: [All projects](#)

### • Digi-Yatra — *DigiYatra System on Raspberry Pi* [Project Link](#)

The DigiYatra system on a Raspberry Pi streamlines airport boarding with QR code scanning and basic facial recognition for a more efficient passenger experience.

### • VDGS — *Visual Docking Guidance System* [Project Link](#)

The Visual Docking Guidance System aids docking with computer vision for object detection and MQTT for real-time updates to ESP-controlled displays.

### • Ecommerce Website — *Full stack web development project* [Project Link](#)

This project is a fully-featured eCommerce website with an HTML, CSS, and JavaScript frontend, a Flask backend API, and a MySQL database, designed to enhance the online shopping experience.

## SKILLS

- Python
- HTML, CSS, JS, JQuery
- NodeJS, ExpressJS, Axios, React
- C/C++
- Java
- MySQL
- Git
- Microcontrollers: ESP, Arduino,
- SBC: Raspberry Pi

## CERTIFICATES

- IoT Developer certificate from Cyberange
- Web Development certificate from Intrainz
- IoT certificate from UptoSkills
- C++ certificate from Great Learning

## Soft Skills

- Problem solving
- Adaptive
- Communication
- Fast learner
- Decision making