

Ujjwal Lehri

[My Portfolio](#)

IoT Developer | Embedded Systems Developer | Web Developer

New Delhi, 110063

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[LinkedIn](#)

[GitHub](#)

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