

# Upayan Chakraborty

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## SUMMARY

Aspiring software developer with hands-on experience as an Intern at CodSoft and CipherByte Technologies. Proficient in coding languages and software development lifecycle, delivering projects on time and within scope during internship tenure. Also keenly interested IoT and Machine Learning. Eager to contribute strong analytical and problem-solving skills to a dynamic software engineering team.

## EXPERIENCE

### Intern

CodSoft

April 2024 - May 2024, Lokenath Bose Garden Ln, Seal Lane, Tangra, Kolkata

### Intern

CipherByte Technologies

March 2024 - April 2024, Barrackpore, North 24 Parganas

## PROJECTS

### An IoT-based Centralized Monitoring Model for Street Light Fault Detection and Location Tracking

Forum of Scientists, Engineers and Technologists (FOSET) • April 2024 - May 2024

- The proposed CMS leverages Internet of Things (IoT) technology to create a network of intelligent street lights. Each light pole equipped with sensors can monitor light status (on/off), detect variations in power consumption, measure ambient light levels
- Reduces chances of public accidents due to unlit streets, increased energy consumption from faulty lights
- By leveraging IoT technology, the CMS offers significant benefits in terms of public safety, energy efficiency, cost savings, and optimized resource allocation
- Provides a cost-effective, customizable, real-time data, real time data acquisition and visualization.
- Identity of faulty poles also pin-pointed using NEO-6M GPS that sends the signal to the grid station thus reducing manual labor of finding faulty pole.

## EDUCATION

### Class 12

CBSE • Vivekananda Academy, Serampore • 2022 • 71.33

### Class 10

CBSE • TIGPS Hooghly • 2020 • 83.83%

## CERTIFICATIONS

### IoT with Machine Learning

Reunited Tech Solution Pvt. Ltd. • 2024

- Certified completion of Industrial Training on IoT with Machine Learning

## COURSEWORK

### Computer Science and Engineering

MCKV Institute of Engineering • 2022

## INVOLVEMENT

### Committee Member

MCKV Institute of Engineering • Heritage Club of MCKVIE • April 2024 - Present

- Participated in cultural events as well as helped in organizing them

## SKILLS

Languages: C, JAVA, Python, HTML

AI and ML: TensorFlow, PyTorch, Scikit-Learn, Pandas, NumPy

Databases: MySQL

Embedded Systems: Arduino, ESP8266, ESP32

Tools: Git & GitHub, VS Code IDE, Unix Environments, Shell scripting

Soft Skills: Project Management, Teamwork, Communication, Leadership