

# KSHITIJ HUPARE

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## EDUCATION

### Walchand Institute of Technology

Bachelor of Technology in Computer Science and Engineering **CGPA: 8.68**

Solapur, Maharashtra

Aug. 2020 – June 2024

## EXPERIENCE

### Cybernetik Technologies Pvt. Ltd.

Python Developer

Dec. 2024 – Present

Pune, Maharashtra

- Engineered scalable internal web applications, including a custom Task Management System, using **Python** (**Flask/FastAPI**) for **RESTful APIs** and **React** for the frontend, streamlining workflows and accelerating data processing and visualization efficiency by **81.4%**.
- Designed and managed database architectures using **SQL (SSMS)** and **MongoDB**, supporting analytics workloads on datasets exceeding **1M+** records while improving query efficiency by **70%**.

### Vijesha IT Services LLP.

AI Engineer Intern

Jan. 2024 – June 2024

Hubli, Karnataka, India

- Implemented scalable data-frame handling models and built a collaborative filtering recommendation system processing **500K+** records, delivering **70%** faster recommendation generation.

### Freelancing

Cloud and Full-Stack web-based Projects

May 2024 – Dec. 2024

Kolhapur, Maharashtra

- Conducted small business websites and integrated payment and reporting systems.

## PROJECTS

### Battery Activation | Python, PyModbus, CANlib, Kevsar-CAN module

Dec. 2024 - Mar. 2025

- Implemented Battery Management System (**BMS**) activation, Firmware development.
- EOL testing validation for electric vehicle batteries.
- Visualised data to show collaboration using **PyQt5**.

### Digital shopping trolley (IOT) | Processors, Sensors, AWS EC2, S3, MongoDB, Git

Jan. 2024 – May 2024

- Created an IoT-based digital shopping cart/trolley to reduce the waiting time at the billing desk.
- Helped in eliminating the need for checkout clerks by **47%**.
- Eliminated the need to wait in line at the checkout counter by **84%**.

### Textile Management and ERP System | AWS EC2, S3, MongoDB, Django, JavaScript

Feb. 2024 – May 2024

- Pioneered a full-stack web application using **Django** and **JavaScript** to automate inventory, marketing, and sales workflows, reducing manual operations by **65%**.
- Integrated government-verified **E-Way Bill** compliance features and deployed scalable **AWS infrastructure (EC2, S3)**, improving financial transparency and accelerating tax and reporting workflows by **70%**.

## ACHIEVEMENTS

### Certified AWS Academy Graduate - AWS

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, SQL, Java, PHP

**Cloud and DevOps:** AWS (EC2, S3), GCP, Git, Linux (Ubuntu, RedHat)

**Frameworks:** Flask, FastAPI, Django, Node.js, React

**Databases:** MongoDB, SQL (SSMS), pymongo

**Data and Utilities:** pandas, NumPy, Matplotlib, Pyodbc, PyModbusTCP, PyQt5, openpyxl, Tkinter, pymongo

## TECHNICAL CERTIFICATIONS

**.NET Full Stack Developer Certification**

**Artificial Intelligence Primer Certification**

**DevOps Foundation Certification**

**Python Programmer Certification**

**Java Foundation Certification**