

KSHITIJ S. 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, utilizing **Python (Flask/FastAPI)** for **RESTful APIs** and **React** for the frontend interface.
- Developed 6+ real-time data visualization dashboards, implementing complex backend logic to handle high-frequency data streams and live state monitoring.
- Designed and managed database architectures using **SQL (SSMS)** and **MongoDB**, optimizing queries for data-heavy reporting and analytics tools.

Vijesha IT Services LLP.

AI Engineer Intern

Jan 2024 – June 2024

Hubli, Karnataka, India

- Implemented data-frame handling models and developed a recommendation system using collaborative filtering.

Freelancing

Cloud and Full-Stack web-based Projects

May 2024 – Dec 2024

Kolhapur, Maharashtra

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

PROJECTS

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

Dec. 2024 - Mar. 2025

- Developed 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%**.
- Improved customer satisfaction by providing a more convenient and efficient shopping experience.
- 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

- Architected a full-stack web application using **Django** and **JavaScript** to automate core business processes, including inventory management, marketing, and sales workflows.
- Implemented complex compliance features by integrating the government-verified **E-Way Bill** system, which improved financial transparency and streamlined tax reporting.
- Deployed and managed the application infrastructure on **AWS**, utilizing **EC2 instances** for scalable compute power and **S3 buckets** for optimized data storage and retrieval.

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