KSHITIJ HUPARE

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EDUCATION

Walchand Institute of Technology — Solapur, Maharashtra
Bachelor of Technology in Computer Science and Engineering **CGPA: 8.68** — *Aug. 2020 – June 2024*

EXPERIENCE

Cybernetik Technologies Pvt. Ltd. — Dec. 2024 – Present
Python Developer — *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. — Jan. 2024 – June 2024
AI Engineer Intern — *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 — May 2024 – Dec. 2024
Cloud and Full-Stack web-based Projects — *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 – Infosys
Artificial Intelligence Primer Certification – Infosys
DevOps Foundation Certification – Infosys
Python Programmer Certification – Infosys
Java Foundation Certification – Infosys