

Kshitij Sagar Hupare

Ichalkaranji, Kolhapur, Maharashtra, India

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

Technical Skills

Programming Languages	Python (Pandas, NumPy, PyQt5, pymodbus, pyodbc), Java, JavaScript
Full-Stack/Frameworks	React.js, Node.js, Flask, FastAPI
Databases	SQL, NoSQL, MongoDB, MySQL, SQL Server (SSMS)
Cloud & DevOps	AWS, Docker, Git, GitHub
Automation/Other	PLC, SCADA, VS Code, QtDesigner

Professional Experience

Python Developer Intern | Cybernetik Technologies

Pune, Maharashtra | Dec 2024 – Present

- Contributed to 3 industrial automation projects, focusing on developing **Building Management System (BMS) Firmware** and creating responsive graphical user interfaces (GUIs).
- Engineered internal web applications, including a company-wide **Task Management Application** and a **Production Line Data Visualization** dashboard, utilizing **Python (Flask/FastAPI)**, **React**, and **SQL SSMS/MongoDB**.
- Developed high-efficiency code for industrial communication protocols using specialized Python libraries (**pymodbus**, **pyodbc**), enhancing data exchange across systems.
- Gained practical knowledge of industrial automation concepts, including **PLC** and **SCADA** systems, bridging IT and Operational Technology (OT) environments.

Full-Stack Developer & Project Architect (Academic Projects)

1. Full-Stack Textile Web-Application

- Technologies:** React, JavaScript, Node.js, MongoDB, AWS (EC2, Route 53, S3, Amplify)
- Designed and developed a full-stack business application incorporating features for **Inventory Management**, **CRM**, **Marketing**, and **Sales tracking**.
- Successfully deployed the application using **AWS services**, enabling the system to service approximately **35 textile firms**.

2. Digital Shopping Trolley (IoT/Automation Project)

- **Technologies:** Raspberry Pi, Python, AWS EC2/S3, Sensors (IR, Barcode scanner)
 - **Architected** an innovative IoT solution for a self-checkout system, providing **automated billing** and real-time inventory updates.
 - **Quantifiably improved** the shopping efficiency, reducing the average checkout time by **43%** and enhancing the overall user experience.
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Education

Walchand Institute of Technology, Solapur, Maharashtra, India

- **Bachelor of Technology (B.Tech.) in Computer Science and Engineering.**
 - **Graduation:** July 2024
 - **Academic Performance:** CGPA of **8.68 / 10.0**
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Technical Certifications

- .NET Full Stack Developer Certification
- Artificial Intelligence Primer Certification
- DevOps Foundation Certification
- Python Programmer Certification
- Java Foundation Certification