

VISHAL JADHAV

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EDUCATION

2021-2025 **BE in Artificial Intelligence And Machine Learning** with Minor/Honors in **Data Science** at **LoGMIEER, Nashik** (CGPA- 7.61/10.0)
2021 **HSC** from **CSR Secondary And HigherSecondary School, Jategaon Bk** (Percentage -81.67%)
2019 **SSC** from **Ganesh Vidyalaya Ashti - Beed** (Percentage -81.41%)

SKILLS

TECHNICAL SKILLS : Python, SQL, MS-Excel, Power BI, Statistics, Exploratory Data Analysis(EDA), Natural Language Processing(NLP), Artificial Intelligence, Machine Learning, Numpy, Pandas, Matplotlib, Seaborn, Sklearn, NLTK, Object Oriented Programming(OOP), Deep Learning, Database Management, MS-Office, Data Structure And Algorithms(DSA), RDBMS ,MySQL, Github.

SOFT SKILLS : Quick Learner, Leadership, Time Management, Problem Solving, Communication & Presentation, Adaptability, Collaboration, Leadership, Cooperative.

EXPERIENCE

Machine Learning Engineer, NEXTIN SOFT Pvt. Ltd., Nashik Feb 2025 – Apr 2025

- **Worked on Real-World ML Projects**
Focused on Model Development, data preprocessing, and deployment using **Python, Pandas, Scikit-learn**, And Surprise library
- **Learned Key Tools and Technologies**
Gained experience with **Git, AWS, SQL, Power BI, Deep Learning**, and **NLP** for data processing, visualization, and deployment.
- **Built Real-World Projects and Improved Skills**
Contributed to automation and **AI-based projects, enhancing technical, problem-solving, communication**, and teamwork abilities.

Machine Learning Engineer, Emerging Technologies - Nashik Dec 2023 – Jan 2024

- **Developed Strong Foundation in ML and AI**
Gained knowledge of ML algorithms (Regression, Classification, Clustering) and AI concepts like NLP, intelligent agents, and decision-making systems.
- **Executed ML Tasks with Real-World Data**
Applied supervised/unsupervised learning using Scikit-learn, TensorFlow; created and cleaned custom datasets from sources like Kaggle and web scraping.
- **Completed Internship Projects**
Built projects like a voice-enabled personal assistant and automation tools, covering the full ML workflow from data preprocessing to model deployment.

PROJECTS

AI REAL-TIME MONITORING SYSTEM

[Link to Repo](#)

Problem: Manual attendance tracking and lack of **automated security monitoring** in educational institutions result in **inefficiency, inaccuracy**, and **delayed response** to incidents.

Solution: Developed a **real-time face recognition**-based attendance system with **anomaly detection** for bullying. Integrated **CCTV feeds** to detect **unknown individuals** and track registered ones via name-based lookup. Implemented an optimized **MTCNN face detection** pipeline, achieving **93% accuracy**

Impact: Automated attendance **tracking** and **real-time alerts** improved safety and efficiency, reducing administrative workload while enhancing **institutional security**

PILL DETECTION SYSTEM

[Link to Repo](#)

Problem: Identifying pills with varying shapes and colors is **time-consuming** and **prone to error**, especially in pharmaceutical inventory management.

Solution: Designed a **CNN-based** pill detection model to classify pills by shape, color, and **imprint**. Deployed a **real-time** alert system for invalid or expired pills using **classification** confidence scores.

Impact: Improved pharmaceutical **safety** and efficiency by enabling rapid, accurate pill identification and reducing **medication errors**.

Technologies Used: : Python, TensorFlow, CNN, OpenCV, Flask.

VIRTUAL TRY-ON SYSTEM

[Link to Repo](#)

Problem: : Online shoppers face difficulty visualizing how clothes will look and fit before purchase, leading to **dissatisfaction and returns**

Solution: : Created a virtual try-on system that **overlays clothing** on person images using **segmentation** and **pose estimation**. Enabled webcam-based previews with **dynamic resizing** and alignment.

Impact: : Enhanced e-commerce interactivity by providing **realistic clothing previews**, improving customer confidence and reducing returns.

Technologies Used: Python, FastAPI, Face Recognition (CNN), Tokenization ,Opencv, Flask End-to-End Encryption

CERTIFICATIONS/ACHIEVEMENTS

Python - Core 2 Web Pvt. Ltd. Pune

Machine Learning -Bharat Intern Pvt. Ltd

Data Analytics - Deloitte ,Forge