

ROHAN V. GAIKWAD

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EDUCATION

Yashoda Technical Campus

B.Tech Computer Science & Engineering

Satara, MH

September 2023 – Present

- **Minor from IIT Madras** - C Programming and Assembly -NPTEL
- **Minor from ORACLE OCI University** - AI Professional Associate
- **Relevant Courses:**Data Structures & Algorithms, Probability & Statistics, Design & Analysis of Algorithms, Digital Logic & Machines Robotics, Operating Systems , Software Engineering, Database Systems, Machine Learning.

PROFESSIONAL EXPERIENCE

[Ineuron.ai](#) (Acquired)

Machine Learning Intern

Bangalore, KN

August 2024 – February 2025

- Now acquired by Physics Wallah for 420 Million INR
- Developed an end-to-end **Mushroom Classification web app** leveraging Python, TensorFlow, Flask, and OpenCV.
- Deployed on Streamlit with 89% classification accuracy.
- Built complete ML pipeline: data preprocessing, CNN image processing, and feature extraction.

Data Analysis Intern (Remote)

September 2024 – February 2025

- Built **Power BI dashboards** analyzing 1M+ Amazon sales records, improving KPI visibility by **35%**.
- Automated ETL pipelines (Python, SQL, Pandas) reducing data latency by **40%**.
- Delivered EDA & predictive models (NumPy, SciPy) driving **15% better inventory forecasts**.

PROJECTS & OUTSIDE EXPERIENCE

GSSoC Security-Screening-System

[Github Core Contributor](#)

Remote

August 2025 – Present

- **Real-time face detection & matching engine** : optimized frame buffer and face detection using OpenCV; face encoding comparisons use a strict < 0.4 distance threshold to ensure high recognition fidelity.
- **Temporal consistency logic** — implemented a sliding 10-second validation window and 30 second alarm cooldown to eliminate transient misidentifications.
- **Automated threat notification system** : on confirmed match: triggered email and SMS alerts (name, timestamp, IP, image) through authorized APIs.
- **Scalable dataset ingestion pipeline** : automated face encoding generation from per-person image sets, modular for further augmentation and extended model fine-tuning.

Krishi Mitra <https://farmersnation.streamlit.app/>

[Academic Full Stack Python & ML based model](#)

Satara, MH

March 2024 – June 2025

- **End-to-end ML pipeline:** Built ETL workflows with Pandas for 50K+ agricultural records, engineered features, and trained Random Forest, XGBoost, and CNN models achieving ~92% validation accuracy.
- **Real-time prediction service:** Deployed trained models via Flask REST API with < 200 ms inference latency; containerized using Docker for scalable deployment.
- **Advanced model optimization:** Automated hyperparameter tuning (GridSearchCV) and model performance monitoring (TensorBoard) to boost precision and reduce overfitting.

Android Development

Personal Startup Prototype

Satara, MH

July 2025 – Present

- **Laundry Doorstop** : Built an Android app using **Java** , **Firebase**, **Retrofit**, and **Room**, featuring real-time order tracking, secure payments, and offline caching.

Agentic AI and Automation

[Seamless Supply](#)

- Built an agentic AI powered bot with Retrieval Augmented Generation (RAG) to automate supplier communication, real-time inventory tracking, and exception handling via REST APIs and LLM-driven workflows.

ACTIVITIES & Achievements

AWS cloud Pune Club

Club Member

Pune, MH

March 2025 – Present

Hackathon World Computer Hacker League

National Qualifier

New Delhi

January 2025 – Present

SKILLS & INTERESTS

Skills: Python Full-Stack App Development, SQL, Cloud Computing (AWS, GCP, Azure), DevOps (Docker, CI/CD), Microservices, REST APIs, React.js, Node.js, Machine Learning, AI (LLMs, RAG), Data Analytics (Power BI, Tableau)

Virtual Internships & Certified Job Simulations – Accenture, Goldman Sachs, TCS, BCG, AWS, J.P. Morgan Chase