

Tejaswi Gawai

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Mumbai, Maharashtra

Profile

Results-driven Software Developer with proven experience building AI-powered applications, computer vision pipelines, and full-stack web solutions. Proficient in integrating deep learning models (YOLO, GenAI) with scalable backend architectures. Adept at optimizing deployment workflows using Docker and Google Cloud Platform (GCP) to deliver robust, low-latency, and high-performance systems.

Technical Skills

Machine Learning & AI: OpenCV, FastAPI, LangChain, YOLOv3, YOLOv5, YOLOv8, YOLOX-l

Languages & Frameworks: Python, SQL, HTML/CSS, Django, Flask, Streamlit

Cloud & DevOps: Google Cloud Platform (GCP), Docker, DockerHub, Git, Cron Jobs, Nginx

Databases: MySQL, ChromaDB, PostgreSQL, MongoDB, SQLite

Experience

Aurify Systems Pvt. Ltd

Software Developer

Software Developer Intern

Mumbai, Maharashtra

Jul. 2025 – May 2026

Jan. 2025 – Jul. 2025

- Engineered YOLOX-L and YOLOv5/v8 pipelines for real-time computer vision detection (PPE compliance, parcels, tires) on RTSP feeds.
- Deployed 3 full-stack Django applications in Dockerized environments utilizing Docker Compose, MySQL, Nginx, and phpMyAdmin.
- Implemented high-performance backend modules for scalable processing and orchestrated dataset augmentation to boost model accuracy.
- Developed a backend microservice to transcribe Google Drive audio files into text using the Whisper API, deployed on Google Cloud Run.
- Created robust Dockerfiles, pushed CI/CD automated images to DockerHub, and built PySimpleGUI tools to simplify deployments.
- Handled real-time client communication and deployment support, ensuring error-free delivery and smooth operations.

Projects

Smart Reach AI (Recruitment) | *Python, Claude 3.5 Sonnet, LangChain* | [\[GitHub\]](#)

- Awarded 3rd Prize in 'Eternia' Tech Fest for designing an autonomous recruitment agent.
- Engineered a skill-extraction pipeline using Claude 3.5 Sonnet to analyze resumes and automate personalized cold emails with high reasoning capabilities.

Object Detection Model | *Python, YOLOv3, OpenCV, NumPy* | [\[GitHub\]](#)

- Developed a fast and accurate real-time object detection application using YOLOv3 and OpenCV to identify common objects in static images and video streams.
- Implemented modular scripts for seamless execution via terminal and Jupyter Notebook environments.

Full-Stack Django Blog App | *Django, Python, Docker* | [\[GitHub\]](#)

- Built a dynamic blog platform with user authentication, CRUD operations for content management, and an administrative dashboard.
- Designed an interactive frontend using HTML/CSS, and containerized the backend environment using Docker and Nginx.

Education

Mumbai University

Master of Computer Applications (MCA) – 76.59%

Mumbai, Maharashtra

Jul. 2025

TMV Pune University (NMITD Campus)

Bachelor of Computer Applications (BCA) – 74.90%

Mumbai, Maharashtra

Apr. 2023

Certificates & Achievements

Data Science & Python for Data Science, IBM

Python for Data Analysis

Data Visualization, Tata Group

Cloud Computing Fundamentals & Introduction to IoT, NPTEL

Achievements: Secured 3rd Rank in "Eternia" Project Competition; Co-authored research paper

"Multi-Agent Cooperative and Competitive Dynamics in Grid Environments" (Selected for Academic Review, 2025).