

Om Barot

9106237958

ombarot.dev@gmail.com

linkedin.com/in/om-barot-232630338/

ombarot.netlify.app

Vadodara, Gujarat, 390019

<https://github.com/OM-8bit>

Summary

Innovative and detail-oriented professional with expertise in AI systems, data science, and automation. Skilled in building intelligent solutions that combine machine learning, natural language processing, and data analytics to solve real-world problems. Proficient in Python, modern AI frameworks, and data engineering, with experience in deploying scalable, production-ready applications. Adept at bridging technical complexity with clear, actionable insights for business impact.

Skills

PYTHON | DJANGO | FASTAPI | FLASK | GENERATIVE AI | OPENCV | MSOFFICE

AGENTIC AI | PROMPT ENGINEERING | GIT | GITHUB | API INTEGRATIONS | LLM | NUMPY

PANDAS | TENSORFLOW | PYTORCH | spaCy | HuggingFace Transformers | dockerCICD | CICD

Projects

Gymsphere - SaaS Gym Management Platform

Tech Stack: FastAPI, Supabase, Docker, React, PostgreSQL

â€¢ Developed a full-stack SaaS platform for gym membership and attendance management.

â€¢ Implemented real-time data synchronization with Supabase for instant updates across users.

â€¢ Built a FastAPI backend with REST APIs for member CRUD operations, attendance tracking, and authentication.

â€¢ Designed an intuitive React frontend with responsive UI for managing members, tracking check-ins, and handling subscriptions.

â€¢ Containerized the application with Docker for consistent deployments across environments.

Enterprise Background Remover & Passport Photo Generator

Tech Stack: FastAPI, React, TypeScript, Rembg, OpenCV, HuggingFace Transformers, Docker

â€¢ Created an enterprise-grade image processing application for AI-powered background removal and passport-size photo generation.

â€¢ Leveraged HuggingFace Transformers and Rembg for high-accuracy segmentation and background isolation.

â€¢ Utilized OpenCV for automated resizing, cropping, and standardized passport photo formatting.

â€¢ Developed a scalable FastAPI backend with high-throughput API endpoints for bulk image processing.

â€¢ Built a TypeScript + React interface with drag-and-drop uploads, real-time previews, and batch processing support.

â€¢ Deployed in Docker containers for portability, scalability, and consistent performance across environments.

Education

ITM VOCATIONAL UNIVERSITY, Vadodara, Gujarat.

B.tech - CSE (DS), CGPA: 9.5