Anuj Sonawane

Yeola, Nashik, India | +91 7066064081 | anujsonawane60@gmail.com
GitHub: github.com/anujsonawane60 | LinkedIn: linkedin.com/in/anuj-sonawane-34522224b

Professional Summary

M.Sc. Industrial Mathematics graduate with strong foundation in Data Structures, Algorithms, DBMS, and Software Development. Experienced in backend development using Python (Flask/Django), REST API design, database optimization, and deployment on Ubuntu servers. Hands-on experience in AI systems including NLP, Retrieval-Augmented Generation (RAG), Prompt Engineering, and open-source LLM integration. Seeking entry-level Software Developer / AI Engineer roles.

Work Experience

OM Intelligence, Nashik — Software Engineer Trainee *May 2025 – Present*

- Developed scalable backend applications using Python (Flask/Django).
- Designed and optimized relational databases using PostgreSQL and MySQL.
- Built and tested RESTful APIs and integrated third-party services.
- Deployed applications on Ubuntu servers (DigitalOcean) using Nginx and Gunicorn configuration.
- Implemented Docker-based containerization for deployment consistency.
- Performed debugging, issue resolution, and unit testing to improve application reliability.
- Automated internal workflows to increase operational efficiency.

OM Intelligence, Nashik — AI Intern *Feb 2025 – Apr 2025*

- Developed document processing pipelines using NLP techniques.
- Implemented Retrieval-Augmented Generation (RAG) system using vector embeddings and semantic search.
- Worked with open-source LLMs via Ollama for local model experimentation.
- Applied Prompt Engineering techniques using multiple LLMs (ChatGPT, Gemini, Claude).
- Performed data preprocessing, chunking strategies, and embedding optimization.

Canspirit AI — OJT Trainee *May 2024 – Jun 2024*

- Built Python automation scripts for structured data processing.
- Assisted in debugging, testing, and feature enhancements.

Projects

Multi-LLM RAG Chatbot Platform GitHub

- Developed document-based chatbot supporting PDF, DOCX, and TXT ingestion.
- Implemented vector search using embeddings and similarity search.
- Integrated OpenAI, Cohere, and TogetherAI APIs for multi-LLM response generation.
- Designed modular RAG architecture with context retrieval and response synthesis.

Real-Time Object Detection using YOLO GitHub

- Built real-time object detection system using YOLO and OpenCV.
- Implemented webcam and video-stream inference pipeline.
- Optimized detection performance for real-time FPS processing.

Education

2023–2025 **M.Sc. Industrial Mathematics with Computer Applications** CGPA: 8.67
Nowrosjee Wadia College, Pune

2020–2023 **B.Sc. Mathematics** CGPA: 9.18
Swami Muktanand Science College, Yeola

2019–2020 **Higher Secondary Certificate (HSC)** 67.85%
Swami Muktanand Jr. Science College, Yeola

2017–2018 **Secondary School Certificate (SSC)** 83.80%
Swami Muktanand Vidyalay, Yeola

Technical Skills

Programming Languages	Python, Core Java, C
Core Concepts	Data Structures, Algorithms, OOP, DBMS, Operating Systems, SDLC
Backend	Flask, Django, REST API Development
Databases	PostgreSQL, MySQL
DevOps	Ubuntu Server, Nginx, Gunicorn, Docker, DigitalOcean
AI / ML	NLP, RAG, Vector Databases, Semantic Search, Prompt Engineering, Ollama
Tools	Git, GitHub, Postman, Power BI, LaTeX
Frontend	HTML, CSS, JavaScript (Basic), React

Certifications

Advanced Excel Certification — Data Analysis and Reporting

Languages

English, Hindi, Marathi