Yash Somnath Gorde

Python Developer | Cloud & DevOps Enthusiast

Sangamner, Maharashtra 422605 | +91 8080341618 | gordeyash798@gmail.com

https://yashgordeportfolio.vercel.app | linkedin.com/in/yashsomnathgorde | github.com/GordeYash

Professional Summary

Python Developer with hands-on experience in building intelligent systems using Machine Learning, Deep Learning, models. Proven expertise in end-to-end development using Django, Flask, FastAPI, and deployment on AWS with Docker & Kubernetes. Built scalable microservice-based platforms with real-world AI integrations

Technical Skills

- **Primary Skills:** Python, Django, FastAPI, React, PostgreSQL
- **DevOps & Deployment:** Docker, AWS EC2, Jenkins, CI/CD, Unit Testing
- **System Design:** Load Balancer, Redis, Memcached, Throttling
- **Additional:** Git, GitHub, Postman, Maven, WebSocket , Java ,Spring Boot

Professional Experience

Python Developer **Swami Software Solutions, Sangamner** *Mar 2024 – Present*

- Developed full-stack applications for 1000+ users using Django, Flask, and React, integrating Restful Apis with unit testing for robust functionality.
- Implemented ML modules for automation software solving image captcha using tensorflow , lstm ,data preprocessing techniques . achieving >90% model accuracy.
- Optimized micro-services architecture, improving scalability by **35**% with NGINX load balancing and zero-downtime deployments via Jenkins CI/CD pipelines.
- Containerized applications with Docker and orchestrated services on AWS EC2 using Kubernetes, ensuring high availability.
- Managed PostgreSQL, MySQL, and MongoDB databases, enhancing query performance by 25% through indexing and schema optimization.

Projects

Appointment Management System github.com/GordeYash/AppointmentManagement

- Built a scalable microservices platform for patient registration and notifications, handling **1000**+ simulated users with Django, React, and Spring Boot.
- Developed secure RESTful APIs, using MongoDB for medical notes and PostgreSQL for transactional data, with unit tests covering **90**% of code.
- Deployed on AWS EC2 with Docker and Kubernetes, achieving fault tolerance and modular deployment.
- **Technologies**: Python, Django, React, Spring Boot, PostgreSQL, MongoDB, Docker, Kubernetes, AWS, NGINX

UPI Fraud Detection System github.com/GordeYash/UPI-Fraud-Detection

- Designed and developed a machine learning-based UPI fraud detection system capable of analyzing over 5 million transactions.
- Engineered features such as transaction time, amount, user behavior, location pattern, and merchant type for fraud classification.
- Trained models using XGBoost and Random Forest, achieving over **92% accuracy** and **94% recall** in identifying fraudulent activities.
- Deployed the model using FastAPI as a REST API, containerized with **Docker**, and hosted on AWS **EC2** with S3 support.
- Integrated with a frontend dashboard to simulate real-time transaction analysis and fraud alert notifications via email.
- **Tech Stack:** Python, scikit-learn, FastAPI, Docker, AWS EC2/S3, Pandas, NumPy, Matplotlib, PostgreSQL

Movie Recommendation System github.com/GordeYash/Recomnadation-System

- Built a hybrid movie recommendation system combining content-based filtering (TF-IDF + cosine similarity) with collaborative filtering.
- Used NLP techniques to extract metadata similarities from over **10,000 movies**, enhancing personalized suggestions.
- Developed a **RESTful Fast API** for recommendation logic and connected it to a dynamic React frontend for real-**time** interaction.
- Optimized recommendation latency and **accuracy**, supporting keyword-based search and similarity score visualization.
- Deployed application using Docker for local testing and hosted on Render for public access with GitHub CI.
- **Tech Stack:** Python, Flask, scikit-learn, React.js, Pandas, NumPy, TF-IDF, HTML/CSS, GitHub, , Docker

Education

- **Msc Computer Science** **SMBST Collage ,Sangamner** **2024-2026**

Certification

- Web Development with Python and Django – Udemy
- Machine Learning from basic to advanced – Udemy
- Natural Language Processing (NLP)-python -Udemy