

MOHAMMAD ASAD

Python/Django Developer

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🌐 Portfolio | 🔗 LinkedIn | 🐙 GitHub

SUMMARY

Passionate **Python/Django developer** with around **1 year** of **hands-on experience** in building web applications and implementing **AI/ML** solutions. Proficient in **backend development**, **database management**, and **data science**, with a strong **problem-solving** mindset. Previously contributed to impactful projects at **WeSalvator**.

SKILLS

- **Programming & Frameworks:** Python, C, Django, DRF, FastAPI, HTML, CSS, JavaScript
- **Frontend & UI Libraries:** ReactJS, LeafletJS, Tailwind CSS, Framer Motion
- **Data Science & ML:** Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow, Streamlit, Jupyter Notebook
- **Databases & Caching:** MySQL, PostgreSQL, DBMS, Redis
- **APIs & Architecture:** REST APIs, JWT Authentication, Microservices, WebSockets, Docker, .env Configs
- **Testing, Tools & Deployment:** Postman, pytest, SonarQube, Git, GitHub, Gitea, Tableau, Django Channels

EXPERIENCE

Python/Django Developer, WeSalvator 🌐 Project Url	Nov 2024 - Oct 2025
<ul style="list-style-type: none">• Developed WeSalvator, an animal rescue platform with separate roles for users, volunteers, and organizations, using Django monolith with built-in templates.• Migrated to a microservices architecture with services like auth, rescue, geolocation, and API gateway, using Django REST Framework and FastAPI.• Implemented JWT-based authentication with access and refresh tokens, supporting secure, role-based login and session handling.• Built and tested REST APIs for smooth communication between microservices and frontend, using Postman for API testing and pytest for unit testing.• Added real-time volunteer tracking using Django Channels, Redis, and WebSockets with LeafletJS maps.• Managed database models and queries using PostgreSQL ORM.• Used Docker to run services in isolated environments for easier development and deployment.• Ensured code quality and maintainability by integrating SonarQube for static code analysis and following clean, modular coding practices.• Used Git for version control and collaborated via GitHub/Gitea for seamless CI/CD workflows.	

EDUCATION

Bachelor of Technology in CSE (AI & ML)	2020 - 2024
Khawaja Moinuddin Chishti Language University, Lucknow	
🎓 SGPA: 8.15	

PROJECTS

Movie Recommendation System 🐙 GitHub
<ul style="list-style-type: none">• Developed a content-based recommendation engine using cosine similarity.• Built an interactive frontend using Streamlit.• Suggested movies based on user-selected input with poster and metadata display.
Buyer Seller E-commerce Backend 🐙 GitHub
<ul style="list-style-type: none">• Built a full-featured e-commerce backend using Django, Django REST Framework, and MySQL.• Implemented JWT authentication, role-based user access (buyer/seller), and product/order management APIs.• Enabled product search, pagination, and buyer-side order placement with multi-item support.• Provided Postman collection, SQL dump, .env setup, and full deployment documentation.