MOHAMMAD ASAD

- Intern at WeSalvator

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🌐 Portfolio | 🔗 LinkedIn | 🐙 GitHub

SUMMARY

Passionate Python/Django developer with 6+ months 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. Currently contributing to impactful projects at **WeSalvator.**

SKILLS

- **Programming Languages:** C, Python, Django, Django Rest Framework (DRF)
- **Web Development:** HTML, CSS, JavaScript
- **Data Science & Machine Learning:** Data Science, Machine Learning, Tableau
- **Database Management:** MySQL, PostgreSQL, DBMS
- **Version Control & API Testing:** Git, Postman

EXPERIENCE

Python/Django Developer Intern, WeSalvator **Nov 2024 - Present**

- 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**, **volunteer**, 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.
- Added **real-time volunteer tracking** using **Django Channels**, **Redis**, and **WebSockets**.
- Managed database models and queries using **PostgreSQL ORM**.
- Used Docker to run services in isolated environments for easier development and deployment.
- Worked with **Git** for version control and **Postman** for API testing.
- Followed clean, modular coding practices for better scalability and maintenance.

EDUCATION

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

PROJECTS

Movie Recommendation System

- 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

- 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.