

# MOHAMMAD ASAD

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## - Intern at WeSalvator

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🌐 Portfolio | 🔗 LinkedIn | 💻 GitHub

### SUMMARY

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**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

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- **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

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#### 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

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#### Bachelor of Technology in CSE (AI & ML)

2020 - 2024

Khwaja Moinuddin Chishti Language University, Lucknow

🎓 **SGPA:** 8.15

### PROJECTS

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#### 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.

#### BuySellX

- 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.