

# Awais Amjad

Backend Engineer · Django · System Design · AI Integration

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## Profile Summary

Results-driven Backend Developer with 2+ years of experience building scalable, high-performance systems using Python and Django. Strong interest in system design, with proven ability to communicate effectively with clients and translate business requirements into production-ready solutions.

## Skills

<b>Backend</b>	Python, Django, DRF, FastAPI, Celery, Redis	<b>Databases</b>	PostgreSQL, MySQL, MongoDB
<b>Frontend</b>	HTML, CSS, JavaScript, React (Basics)	<b>Cloud/DevOps</b>	AWS, Docker, DigitalOcean, Linux, CI/CD
<b>Security</b>	JWT, OAuth2, MFA, RBAC	<b>Core Skills</b>	System Design, Client Communication, Git

## Experience

**Associate Software Engineer — Part-Time, Contract** Jun 2024 – Nov 2025

*Softsincs · Lahore, Pakistan*

- Engineered and scaled high-performance REST APIs for production systems using **Django** and **DRF**, leveraging query optimization and Redis caching to achieve 30-50% performance improvements under production load.
- Architected a JWT-based authentication system with RBAC, enabling secure, role-scoped access control and strengthening application security.
- Enhanced delivery workflows by contributing to CI/CD pipelines and managing Linux-based deployments, improving system reliability and release efficiency.

**Software Engineer Intern** Jun 2023 – Sep 2023

*Nimis Tech · Lahore, Pakistan*

- Built and integrated responsive UI components with **Django REST APIs**, ensuring efficient data handling and seamless frontend-backend communication.
- Implemented containerization using **Docker** and deployed services to DigitalOcean, contributing to consistent and reproducible development environments.
- Adopted structured **Git workflows** (feature branching, pull requests), improving collaboration efficiency and reducing integration issues.

**AI Research Intern** Jun 2022 – Aug 2022

*AIRL, KICS — UET Lahore*

- Designed and evaluated machine learning classification models with 85%+ accuracy, implementing data preprocessing and feature engineering using **Pandas** and **NumPy**.
- Collaborated on dysgraphia detection research, performing data analysis, model validation, and contributing to internal research documentation.

## Projects

**EduMeUp LMS Bridge + MFA System** [Repo Link]

- Architected a scalable **Django-Moodle** integration platform replacing costly plugins, reducing licensing cost and improving performance under production load.
- Implemented MFA, automated bulk enrollment, and RBAC-based REST APIs, enabling secure multi-user workflows and efficient course management.

**AI-Powered E-Commerce + Recommendation Engine** [Repo Link]

- Developed a hybrid recommendation engine (collaborative + content-based) delivering personalized product suggestions with low-latency responses.
- Built scalable backend services using **Django REST Framework**, supporting catalog, order processing, and user session management.

**Dysgraphia Detection System** [Repo Link]

- Developed a **Django**-based NLP system for English/Urdu analysis, deployed on DigitalOcean with real-time prediction APIs and production-ready endpoints.

## Education

**BS Computer Science — UET Lahore** 2022 – 2026

**AI & Machine Learning Diploma — NAVTTC** Feb 2022 – Aug 2022

## Certifications

<b>HCIA-AI</b>	Huawei (2025–2028)	<b>Django Web Development</b>	Educative (2026)
<b>Version Control with Git</b>	Google (2024)	<b>Python Programming</b>	University of Michigan (2025)