

SYED MUHAMMAD AREEB

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syed-areeb-portfolio-xi.vercel.app

PROFESSIONAL SUMMARY

Full Stack Python Developer specializing in Django, REST APIs, and AI-powered applications, including NLP, LLMs, and RAG. Proven ability to develop scalable web platforms and intelligent document processing systems, improving semantic search accuracy and system efficiency. Passionate about leveraging modern software engineering to build robust, enterprise-grade AI solutions.

TECHNICAL SKILLS

Languages: Python, HTML5, CSS3, JavaScript

Frameworks: Django, Django REST Framework (DRF), Bootstrap, Tailwind CSS, React Native

AI & Databases: NLP, LLMs, RAG, Legal-BERT, FAISS, MySQL, SQLite, ChromaDB, Vector Embeddings

Tools & Platforms: Git, GitHub, Postman, PyMuPDF, Tesseract OCR, EasyOCR

PROFESSIONAL EXPERIENCE

Developers Hub Corporation

Machine Learning Intern

Remote

Jul 2025 – Sep 2025

- Engineered ML models for prediction and classification, achieving 92% average accuracy across 3 distinct datasets.
- Constructed NLP pipelines for text preprocessing and sentiment analysis, reducing manual data processing time by 30%.
- Fine-tuned Transformer-based architectures (BERT) for text classification, boosting precision and recall metrics by 15%.
- Executed data cleaning and EDA on datasets exceeding 10,000 records to streamline feature engineering workflows.
- Collaborated on 4 end-to-end ML workflows encompassing data preparation, model validation, and deployment.

PROJECT PORTFOLIO

Citizen Counsel – AI Legal Assistant (FYP)

Jan 2026 – May 2026

Technologies: Django, DRF, NLP, Legal-BERT, LLMs, FAISS, RAG, React Native, Tailwind CSS

- Architected an enterprise AI platform featuring a Victim Mode with real-time 3D avatar voice interactions.
- Deployed a RAG architecture using Legal-BERT and FAISS vector search, improving document retrieval speed by 35%.
- Built a multi-layer OCR pipeline processing scanned legal documents with 98% text extraction accuracy.

Zaidi Mart – Digital Retail & E-Commerce Platform

Sep 2025 – Nov 2025

Technologies: Django, DRF, Bootstrap, MySQL

- Programmed a full-stack platform utilizing RESTful APIs to seamlessly manage inventory and order processing.
- Optimized MySQL queries and enforced secure authentication, reducing page load latency by 25% across the UI.

Learnify Academy – E-Learning LMS

Apr 2025 – Jun 2025

Technologies: Django, Bootstrap, HTML, CSS

- Designed an online learning platform utilizing DRY principles and server-side rendering for 40% faster page loads.
- Enhanced search visibility via SEO and applied secure forms with CSRF protection to safeguard user data.

EDUCATION

University of Education, Lahore

BS Information Technology

2022 – 2026

CGPA: 3.03/4.00

University of Management and Technology (UMT)

Associate Degree in Information Technology

2022 – 2024

CGPA: 3.29/4.00

CERTIFICATIONS

AI/ML & Django Certification

Ideoversity, Arfa Software Technology Park, Lahore

Oct 2024 – Apr 2025