Karachi, Pakistan

Sarim U. Khan

Software Engineer — AI/ML Enthusiast

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Education

2021 – 2025	**BS in Computer Science**, *FAST NUCES*, Karachi, Pakistan
	CGPA: 3.2 / 4.0 — **Honors:** 3x Dean's List
	Relevant Courses: AI, Deep Learning, Recommender Systems, DSA, DBMS, Software Engineering

Experience

Jun 2025 – Present — **Software Engineer**, *Techwards*, Karachi, Pakistan
- Developed and deployed scalable .NET 5.0 web applications with feature-rich admin panels.
- Created dynamic UIs using Razor Pages, including filters, search, and batch actions.
- Implemented robust RBAC and optimized EF Core database operations.
- Diagnosed and resolved deployment issues in IIS-hosted environments.

Feb 2025 – Jun 2025 — **Associate Software Engineer**, *Techwards*, Karachi, Pakistan
- Designed REST APIs using Django Rest Framework (DRF) for scalable AI-backed services.
- Automated data workflows using Camunda 7 and Kestra.
- Built testing pipelines using Pytest for CI/CD integration.

Aug 2024 – Present — **Full Stack Developer**, *Nexus Academy UK*, Remote
- Spearheaded LMS development using React and Django Rest Framework.
- Integrated AI-powered features: real-time transcription, auto note generation, emotion analysis.
- Implemented secure authentication with JWT/OAuth and RBAC models.
- Deployed and maintained cloud infrastructure and optimized database queries.

Nov 2024 – Feb 2025 — **Software Engineering Intern**, *Techwards*, Karachi, Pakistan
- Built Camunda-integrated DRF endpoints for workflow execution.
- Supported development of AI modules and asynchronous pipelines.

Aug 2024 – Oct 2024 — **Data Analytics Intern**, *Beats by Dr Dre*, Remote
- Scraped and analyzed Amazon review data using APIs and NLP techniques.
- Conducted EDA and generated insights using Gemini AI and visualization tools.

Projects

PlAIgiarism	LLM-based plagiarism detection using React, Node.js, and LLaMA.
GAN Knowledge Distillation	Researched conditional GANs for compressing large ML models using PyTorch.
LMS Recommender System	Built a collaborative filtering engine using DRF and React for Nexus LMS.
Gesture Recognition	Developed real-time hand tracking system using TensorFlow, OpenCV, and ImgAug.

Technical Skills

Languages	Python, C++, JavaScript, HTML/CSS, YAML, JSON
Frameworks	Django, DRF, ASP.NET Core, Razor Pages, React, Node.js
Databases	PostgreSQL, MongoDB, MySQL, SQLite, EF Core
AI/ML Tools	TensorFlow, PyTorch, Transformers, LLaMA, OpenCV, Scikit-learn
DevOps & Tools	Docker, Git, IIS, Camunda 7, Kestra, Pytest, Jupyter
Concepts	JWT, OAuth, RBAC, Microservices, REST APIs, Workflow Automation

Certifications

DeepLearning.AI	**DSPy: Build Agentic Apps** (Jun 2025)
DeepLearning.AI	**LangChain for LLM App Dev** (Jun 2025)
IBM	**Generative AI & LLMs: Architecture + Prep** (Jun 2025)
IBM	React, JavaScript, Data Analytics (Multiple)
OpenAI	Prompt Engineering Certification