

Ameer Sultan

Software Engineer - AI/ML Developer - NLP, LLM & DevOps Specialist

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Summary

Final-year Software Engineering student at FAST-NUCES specializing in **NLP, RAG pipelines, LLM automation, and DevOps/CI-CD**. Shipped **6 production-grade AI projects** achieving **98% model accuracy** and **95% process acceleration**. Proficient in Python, LangChain, HuggingFace Transformers, Docker, GitHub Actions, and the MERN Stack.

Technical Skills

AI/ML & NLP: Python, LangChain, HuggingFace Transformers, TinyLlama, T5, GPT-2, FAISS, RAG Pipelines, Seq2Seq, Word2Vec, Sentiment Analysis, LLM Fine-Tuning, Text Classification

DevOps & CI/CD: Docker, GitHub Actions, AWS (EC2, S3, Lambda, CodePipeline), CI/CD Pipelines, Containerization, Automated Deployment, HuggingFace Hub, Streamlit Cloud

Web & Mobile Development: React.js, Node.js, Express.js, MongoDB, REST APIs, Tailwind CSS (MERN Stack), Flutter, Firebase (Auth, Firestore, Cloud Functions)

Languages: Python, JavaScript, Dart, C++

Tools: Git, GitHub, Streamlit, Kaggle, VS Code, PyCharm

Education

FAST National University of Computer and Emerging Sciences (NUCES)

2022 – 2026

Bachelor of Science in Software Engineering

Faisalabad, Pakistan

Punjab Group of Colleges

2019 – 2021

Pre-Engineering (FSc)

Punjab, Pakistan

Projects

Multilingual Sentiment Analysis System | *Python, Transformers, NLP, Streamlit, CI/CD*

Final Year Project

- Transformer-based NLP model classifying English, Roman Urdu and Urdu text into Positive, Negative, and Neutral sentiments; achieved **98% accuracy**, **96% F1-Score**, and **0.94 Confidence Score**; deployed via automated CI/CD pipeline.

Medical AI Assistant: RAG System | *TinyLlama 1.1B, FAISS, LangChain, Docker*

- Open-source RAG pipeline indexing **4,000+ medical transcriptions**; delivers contextual Q&A via FAISS vector search; containerized with Docker for zero-cost, CPU-only inference.

AI Legal Contract Analyzer | *TinyLlama, FAISS, LangChain, Streamlit*

- Automated review of **510+ contracts** enforcing **15 compliance rules**; reduced review time by **95%** (3 hrs to 5 mins) at **85% accuracy** with explainable AI outputs.

Text Summarization System | *T5-Base, HuggingFace Transformers, Streamlit Cloud*

- Fine-tuned T5-Base on **5,000+ news articles** for abstractive summarization; evaluated via ROUGE metrics and deployed through CI/CD to HuggingFace Hub and Streamlit Cloud.

DocuBot: Code Documentation Generator | *BPE, Word2Vec, Seq2Seq+Attention, Python*

- NLP pipeline that auto-generates and injects docstrings into source code using BPE, Word2Vec, and Seq2Seq with Attention; quality evaluated using BLEU and Perplexity metrics.

Experience

Full Stack Web Developer (Internship)

Jun 2025 – Aug 2025

Vered Solutions

Multan, Punjab, Pakistan · On-site

- Built and deployed full-stack web applications using MongoDB, Express.js, React.js, and Node.js; contributed to REST API design, CI/CD configuration, and responsive frontend integration.

Full-Stack and AI/ML Developer

2022 – 2026

FAST-NUCES Academic Projects

Faisalabad, Pakistan

- Delivered 6 production-level AI/ML and web applications across NLP, LLM automation, DevOps, and MERN Stack; all projects validated with quantified performance benchmarks.