

UMAR FAIZAN

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PROFESSIONAL SUMMARY

AI Developer at Poshnee Tech and BSAI graduate specializing in building production **Voice AI systems (Twilio Voice API, Whisper ASR)**, autonomous **LLM agents (LangChain, LangGraph)**, AI automation, and enterprise **MLOps pipelines**. **3rd Place Winner** at the Algoryc OpenHome AI Hackathon. Proficient in Python, FastAPI, Docker, and AWS with full-stack backend capabilities to deploy reliable AI applications.

EDUCATION

Bachelor of Science in Artificial Intelligence (BSAI) <i>National University of Modern Languages (NUML), Islamabad</i>	2022 – Jan 2026 CGPA: 3.61/4.00
Intermediate (Pre-Medical) <i>Punjab College, Mailsi</i>	2018 – 2021 Marks: 96%
Matriculation <i>Government High School, Mailsi</i>	2016 – 2018 Marks: 92%

AWARDS & HACKATHONS

3rd Place Winner OpenHome AI Hackathon <i>Organized by Algoryc (OpenHome Ecosystem)</i> Engineered Panic Emergency Protocol , an open-source Voice AI smart-home safety Ability using Twilio Voice API and LLMs. Designed covert silent alarms for security threats and interactive LLM guidance pathways with automated emergency dispatch calls.	Jul 2026 <i>In-Person</i>
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EXPERIENCE

AI Developer Intern <i>Poshnee Tech</i> Engineered MVP AI Assistant using Python backends, custom prompt engineering, and REST APIs for real-time guidance. Built an MVP AI training platform integrating LLM APIs to generate realistic customer conversations with configurable personas. Collaborated with Agile cross-functional software teams to prototype, test, and deploy core AI functionalities.	Apr 2026 – Present <i>Islamabad, Pakistan</i>
Data Science Intern <i>10Pearls Pakistan</i> Developed Air Quality Index forecasting ML model using live telemetry streams and feature engineering with 82% accuracy. Implemented automated CI/CD pipelines with GitHub Actions and Docker, enabling daily model retraining and MongoDB integration.	Dec 2025 – Feb 2026 <i>Remote</i>
Section Leader (Teaching Assistant) <i>Stanford University (Code in Place)</i> Mentored international students in Python coding syntax, runtime debugging, and systematic problem solving in weekly labs.	Apr 2026 – Jun 2026 <i>Remote</i>

KEY PROJECTS

Panic Emergency Protocol OpenHome Voice AI Ability Python, Twilio Voice API, OpenHome SDK, LLMs Secured 3rd Place in Algoryc Hackathon by building a Voice AI emergency responder integrating Twilio Voice API. Implemented covert triggers (silent distress calls for intruders) and interactive LLM guidance loops for medical/fire emergencies.	Jul 2026
EchoVerse AI Voice & Language Learning Platform Python, Whisper ASR, TTS, LLMs, FastAPI Built full-stack AI speech app leveraging GPU-accelerated Whisper speech-to-text and TTS for structural pronunciation grading.	<i>Final Year Project</i>
Vehicle Insurance Cross-Sell MLOps Pipeline Python, FastAPI, MongoDB Atlas, Docker, AWS, CI/CD Engineered 6-stage production ML pipeline processing 380K+ records with AWS S3 model registry and automated EC2 deployment.	
DataChat Pro Natural Language to SQL Assistant Python, LangChain, ChromaDB RAG, Streamlit Developed NLP-to-SQL database querying system with LangChain and automated Streamlit analytics chart visualizations.	

TECHNICAL SKILLS

Voice & Conversational AI: Twilio Voice API, Whisper ASR, Real-Time Audio WebSockets, Speech-to-Text (STT), Text-to-Speech (TTS)
LLMs & AI Automation: LangChain, LangGraph, RAG (ChromaDB), OpenAI, Groq, DeepSeek APIs, Prompt Engineering
MLOps & Cloud Infrastructure: Docker, AWS (S3, ECR, EC2), GitHub Actions CI/CD, DVC, MLflow, MongoDB Atlas, SQLite
Full-Stack Integration: Python (Advanced), FastAPI, RESTful APIs, WebSockets, HTML5, CSS3, JavaScript, Streamlit, Git

CERTIFICATIONS

Machine Learning Specialization | Stanford University (Coursera)
Deep Learning Specialization | DeepLearning.AI (Coursera)
Oracle Cloud Infrastructure 2025 AI Foundations Associate (1Z0-1127-25) | Oracle University
Generative AI with LangChain & HuggingFace | Udemy
Google Soft Skills Program | Google Career Certificates