

Kashif Amjad

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SUMMARY

AI Engineer with 3+ years of experience in AI-driven applications, LLM fine-tuning, and workflow automation using OpenAI, LangChain, and Microsoft Azure. Skilled in designing RAG systems, optimizing data pipelines, and working with open-source and closed-source LLMs. Experienced in team management, client relations with US-based stakeholders, and delivering machine learning solutions in computer vision and image processing.

EXPERIENCE

AI Team Lead | Codistan Ventures | Islamabad, Pakistan | May 2024 - Present

- Lead a team of seven Machine Learning Engineers, managing five plus client meetings per week and overseeing project development.
- Developed and deployed AI solutions, including a fully functional AI interview system, AI game generation platform, and multiple chatbot applications, improving system efficiency by 30%.
- Focused on open-source LLM-based solutions and managing 15 plus GitHub repositories with regular contributions and updates, increasing team collaboration by 40%.

Machine Learning Engineer | Metex Labz | Islamabad, Pakistan | March 2023 - Feb 2024

- Contributed to the design and deployment of 5 generative AI projects, including AI image generation tools and open-source LLM API integrations, leading to a 20% increase in product adoption.
- Implemented technologies including ChatGPT APIs, DLib Facial Landmark detection, and GAN networks, improving system performance by 30%.
- Delivered 3 successful AI solutions that contributed to enhancing product functionality and increasing client satisfaction.

Jr. AI Engineer | Hive Technologies | Faisalabad, Pakistan | March 2022 - Feb 2023

- Led the development of an automatic shirt folding machine using Arduino, improving process efficiency up to 80%.
- Utilized AWS Sagemaker to train the XGBoost algorithm for Heart Attack Prediction, improving model accuracy up to 91%.

PROJECTS

AI Virtual Interview Assistant | OpenAI, LLM, STT, STT, Web Socket | Live Website

Built a real-time AI interview assistant with advanced TTS/STT functionality using Azure and Google APIs for voice recognition and speech synthesis. Integrated OpenAI LLMs for dynamic, context-aware interview simulations, enhancing the user experience. Designed with WebSocket for real-time interaction and deployed on a live website for seamless accessibility and continuous performance.

Real-Time AI Voice Chatbot | GitHub Repository

Developed a voice-based AI chatbot using Llama 3.2 for language processing and integrated WebSocket for continuous real-time communication. Leveraged advanced Natural Language Processing (NLP) techniques to ensure meaningful and interactive conversations. Implemented a highly scalable backend for optimized performance in dynamic environments.

FaceAge App | 1M+ Downloads

Developed a popular AI-based aging app with over 1M downloads, utilizing deep learning algorithms to realistically age faces in photos. Applied computer vision and image processing techniques for precise, accurate results. Integrated a user-friendly interface and ensured robust performance on mobile platforms, making it widely accessible for a global audience.

ToonMe Cartoon Photo Editor | 50k+ Downloads

Launched a cartoon and anime-style transformation app using Stable Diffusion, achieving over 50K downloads on Google Play. Enhanced images with high-resolution upscaling and precise style transfer algorithms for exceptional output quality. Focused on user customization and fine-tuning options, delivering a personalized artistic experience.

EDUCATION

MS Electrical Engineering | 2019 – 2022

National University of Computer and Emerging Sciences Lahore (CGPA: 3.84/4.00)

Relevant Subjects: Python Programming, Machine Learning, Deep Learning, Optimization Theory, Smart Grids, Research Methodology

BS Electrical Engineering | 2014 – 2018

University of Engineering and Technology, Lahore (CGPA: 3.52/4.00)

Relevant Subjects: Programming, Object-Oriented Programming (OOP), Embedded Systems, Robotics, Circuit Design

SKILLS

- **Programming Languages and Tools:** Python (Functional and Object Oriented Programming), Linux
- **Machine Learning Deep Learning Algorithms:** Binary Classification, Multi-Class Classification, Regression, SVM, Random Forest, Decision Trees, ANN, CNN, LSTM
- **Generative AI and LLMs:** Langchain, LangGraph, RAG, Vector Database(Chroma DB, Pinecone, FAISS), HuggingFace, Fine-tuning, LoRA Training
- **API Framework and Cloud Deployment:** Flask and FastAPI, AWS (EC2, ECS, ECR, lambda, API Gateway), GCP (Cloud Run, Virtual Machine), Runpod (serverless, server deployment)

CERTIFICATIONS

- Using Vector Search for Semantic Search (2024)
- Introduction to AI and Vector Search (Sep 2024)
- AI Agents in LangGraph! (Jul 2024)
- Learn Python for Data Science & Machine Learning from A-Z (Feb 2022)

INTERESTS

- Artificial Intelligence and Machine Learning blog reading
- Open-source contributions
- Fuse Ball
- Table Tennis