

SAIM KHALID

AI Engineer | Deep Learning | Generative AI
+923070588456 | saimkhalid650@gmail.com | Islamabad, Pakistan

I'm a highly motivated AI engineer with two years of experience in Computer Vision, Generative AI, Natural Language Processing, and working in production environments. With proven success in both independent and team settings, I'm eager to contribute to innovative AI projects.

EDUCATION

Masters in Computer Science (MSCS). PMAS Arid Agriculture University	Nov 2022
Bachelors in Computer Science (BSCS). COMSATS University	Jul 2020

EXPERIENCE

Techtronix Corp. AI Engineer	June 2025 - Present
<ul style="list-style-type: none">Built a LangGraph-based chatbot using Mistral LLM to convert natural language queries into MongoDB queries with ChromaDB for semantic retrieval.	

Self Employed Freelance Contracts	Oct 2024 - May 2025
<ul style="list-style-type: none">Developed a handwriting OCR pipeline using Qwen2 VLM, deployed via FastAPI & MLflow, with OpenAI-powered prompt engineering and NER for structured text extraction.Vision Transformer for Heart Xray Image Classification using transfer learning.	

iOPTIME Pvt. Limited. AI Engineer	Nov 2022-Aug 2024
<ul style="list-style-type: none">Fine-tuned GPT-3.5 Turbo with RAG and Langchain for product inquiries in e-commerce.Implemented LLAMA 2/3 with RAG via Langchain for audit report analysis.Fine-tuned GPT-3.5 for healthcare assistance in a medical chatbot, Deployed to local server using Fast API and DockerGained insights into Zimbabwe's healthcare challenges and explored AI solutions during a business tour.Built an OCR system for South African and Zimbabwean IDs and passports.Enhanced entity extraction from OCR Strings using OpenAI for Named Entity Recognition (NER). Deployed on Local server using Docker and Fast API.Developed a counting app to count objects in an Image using YOLOv8 and OpenCV. The Model was deployed on AWS using Fast API and Docker.Developed a Texas Hold'em card App with object detection using YOLOv5, Deployment on Android and iOSDeployed Arc Face with Media Pipe Face Mesh on Local Server using Django, NGNIX, OpenCV and Docker for face recognition in Zimbabwe.Implemented advanced face liveness detection using OpenCV and Python.Vehicle Trajectory Analysis using DeepSORT and YOLO, deployed using FastAPI on AWS EC2Nails Segmentation for nail polish design deployed in Android and iOSFine tuned and Deployed GPT for e-commerce product recommendationCausal Inference and Learning for Road Accident Analysis	

PUBLICATIONS

Small Pest Detection in Real Time using Deep Learning Object Detection	Sustainability, 2023
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CERTIFICATIONS & COURSES

Python for Data Science, AI & Development	Nov 2021
Generative AI with Large Language Models	Feb 2024
Machine Learning Operations (MLOps): Getting Started	Dec 2023
Introduction to On Device AI	Mar 2024

SKILLS

Artificial Intelligence, Machine Learning, Python, Deep Learning, MLOps, Automation, PyTorch, Tensorflow, LLMs, AIAgents, Mlflow, CI/CD, Git, Computer Vision, Natural Language Processing (NLP), Docker, AWS, Langchain, Sagemaker, n8n, FAST API, Lambda, OpenAi, OpenCV, Object Detection, Linux, CUDA, Langchain, VectorDB, ChromaDB, XAI, MongoDB, Langraph

PROFESSIONAL PROFILES

- Linkedin
- Github
- Portfolio