

SAIM KHALID

AI Engineer - ML Engineer - Deep Learning

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London, United Kingdom

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
Thesis: Small Pest Detection and Classification Using Deep Learning Object Detection

Bachelors in Computer Science (BScS). COMSATS University Jul 2020
FYP: AR Design iOS app based on Augmented Reality

EXPERIENCE

iOPTIME Pvt. Limited. Aug 2023-Aug 2024

AI Engineer

- 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 Docker
- Gained 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 GPT-3 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 iOS
- Deployed Arc Face with Media Pipe Face Mesh on Local Server using Django, NGINX, OpenCV and Docker for face recognition in Zimbabwe.
- Implemented advanced face liveness detection using OpenCV and Python.

iOPTIME Pvt. Limited. Feb 2023-July 2023

Junior AI Engineer

- Vehicle Trajectory Analysis using DeepSORT and YOLO, deployed using FastAPI on AWS EC2
- Nails Segmentation for nail polish design deployed in Android and iOS
- Fine tuned and Deployed GPT for e-commerce product recommendation
- Causal Inference and Learning for Road Accident Analysis

iOPTIME Pvt. Limited. Nov 2022-Jan 2023

AI Intern

- Tuberculosis Chest X Ray Classification using EfficientNET-B0

PUBLICATIONS

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

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, Miflow, PyTorch, Tensorflow, LLMs, ClearML, Miflow, CI/CD, Git, Computer Vision, Natural Language Processing (NLP), Docker, AWS, GCP, Sagemaker, REST API, FAST API, Lambda, OpenAi, OpenCV, Object Detection, Linux, CUDA, Langchain, VectorDB, ChromaDB

PROFESSIONAL PROFILES

- [Linkedin](#)
- [Github](#)
- [Portfolio](#)