Junaid Ahmed Shaikh

AI/ML Engineer

I am a result-oriented **AI Engineer** and **Imaging Scientist** with a strong background in **machine learning, generative AI,** and **computer vision**.My expertise includes developing **retrieval-augmented generation (RAG)** systems, managing **Linux-based** imaging servers and training **machine learning** models to automate workflows. I am skilled in **Python, TensorFlow** and **DevOps**. Proficient in various industry-standard programming languages along with expertise in **AI libraries** and **frameworks**.Strong background **designing** and **developing** AI models.Versed in **data governance**, **privacy** and **security** best practices.

Employment History

Imaging Scientist/Physicist at Sindh Institute of Urology and Transplantation(SIUT), Karachi

MAR 2018 — PRESENT

Troubleshoot image acquisition/reconstruction failures

Develop and implement algorithms for image processing and analysis.

Design and Deploy RAG based system for medical data retrieval and querying.

Manage servers and troubleshoot issues related to imaging applications.

Execute quality assurance protocols and calibration of imaging systems.

Develop, train, and fine-tune machine learning models to streamline operations

Engineer image acquisition, processing and preprocessing pipelines.

Deliver lectures and instruction to undergraduate students in imaging science.

Conduct and disseminate research outcomes through scientific conferences and publications.

Education

Diploma at Al-Nafi International College (Accredited with Eduqual), Karachi

APR 2025 — PRESENT

Cybersecurity : CISSP, Vulnarability Assessment, SOC Analysis

Details

Flat#17, Ishaq Mahmood Mansion, Shah Waliullah Road Nayabad, Karachi, 75660, Pakistan
+92 331 2348667
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Links

LinkedIn
Github

Skills

Python, Matlab

Image Processing, Pydicom, Nibabel

Tensorflow, Keras, Pytorch, OpenCV, Scikit-Learn, Scikit-Image

Docker, Kubernetes, Vagrant, Terraform

Devops: Workflow Automation, Bash, Docker, Kubernetes

SysOps and Cloud: RedHat Linux, Amazon Web Services(AWS), Microsoft Azure

Artificial Intelligence: Machine Learning, Deep Learning, Computer Vision, Generative AI

Masters at NED University of Engineering and Technology, Karachi

SEP 2022 — DEC 2024

Courses: Intelligent System Design Advanced AI, Machine learning, Deep learning, Computer Vision, Pattern Recognition, Big Data Analysis

Certification

AI Engineering at IBM

JAN 2023 — JUL 2025

Data Science at IBM

AUG 2023 — FEB 2024

AI Projects

Image-to-image translation with pix2pix (cGAN) for PET data correction

Transfer learning with Auto-encoders and t-SNE for Cross-Dataset Generalization

Implementation of CNN's in TensorFlow for a multi disease classification

Training and implementing a U-Net model in Keras for MRI Image Segmentation

Urdu alphabet classifications with pre-trained CNN networks.

Data analysis of falcon 9 first landing through SpaceX rocket launch data.

Other Skills

Keen research interest in Machine Learning, Generative AI and Computer Vision

Extensive Knowledge of Medical Image Processing, Image Annotations

Profound knowledge on Mathematical and statistical concepts

Excellent analytical, Critical and Problem Solving Skills

Active listening, Quick learning and Creative thinking

Langchain, LangGraph, HuggingFace

Git, GitHub, GitLab, AWS, Azure

Jenkins, Ansible, CI/CD pipelines

Linux, Bash Scripting

Flask, RestAPI, Selenium

Data Analytics, Big Data Analytics, Splunk , Airflow

Languages

Sindhi

Urdu

English

Hobbies

Article Reading, Social Media, Play and Watch Football