

FAIZAN ARIF

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Career Summary

I'm an aspiring Data Scientist with a strong foundation in Machine Learning, Computer Vision and Deep Learning. My experience includes developing sophisticated AI-driven applications like question-answering RAG model, Virtual Try-On, and Object Detection, among other data analysis and web scraping projects. I am passionate about leveraging AI and Data Science to tackle real-world problems and enhance user experiences through technology.

Education

Punjab University College of Information Technology (PUCIT)

November 2021 – Present

Bachelor of Science in Data Science

Lahore, Pakistan

Experience

Upwork

July 2024 – Present

Freelancer

Lahore

- Designed and implemented web scraping, data analysis and computer vision related solutions for clients.
- Handled client projects requiring real-time data collection, analysis, and transformation into actionable insights.

Projects

Bahishti Zewar QA RAG Model | *langchain, FAISS, transformers, gradio*

- Developed a Question-Answering RAG model trained on the Bahishti Zewar book, a renowned Islamic guide, to help Muslims get instant answers to religious and daily life queries.

Virtual Try-On System using VITON-HD | *Python, Viton-HD, PyTorch, matplotlib*

- Developed a virtual try-on system using VITON-HD, enabling realistic clothing transfer from a given garment image onto a person's photo. Utilized deep learning techniques for human parsing, warping, and garment synthesis to achieve high-fidelity results.

Web Scraper Bot | *Llama, Scrapy, Flask, PostgreSQL*

- Developed an intelligent web scraper bot to automate data extraction from user-provided website URLs.
- Allows users to specify data fields to extract. Provides output in multiple formats (CSV, JSON, Excel).

Text-To-Image Conversion Model | *StableDiffusion, PyTorch, Transformers*

- Developed a text-to-image conversion model using stable diffusion XL.

TIC TAC TOE GAME | *Python*

- Developed a console-based tic-tac-toe game utilizing the alpha-beta pruning technique, ensuring optimal moves and enhanced gameplay strategy.

STOCK DATA AGGREGATOR | *Python, requests, BeautifulSoup*

- Accomplished multi-source stock data collection by integrating Polygon API and Finviz, consolidating extracted data into a unified CSV format.

SNAKE GAME | *python, pygame, sprite*

- Developed a GUI-based snake game featuring a beautiful color scheme and multiple levels, providing an engaging and visually appealing gaming experience.

Technical Skills

Programming Languages: Python, Assembly Language (Intel x86-64)

Developer Tools: Git, GitHub, Docker

Databases: MySQL, MongoDB, PostgreSQL

Libraries & Frameworks: NumPy, Pandas, Scikit-learn, TensorFlow, langchain, transformers, PyTorch, Keras, Seaborn, Matplotlib, Plotly, huggingface, openai, Scrapy, Selenium, NLTK, pygame, pyAutoGUI, pyperclip, BeautifulSoup

Deep Learning & AI: RNNs, LSTMs, CNNs, Transformers, Encoder-Decoder Models, Attention Mechanisms, Retrieval-Augmented Generation (RAG), Large Language Models (LLMs), AI Agents, Transfer Learning