Haider Sultan

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EDUCATION

BS (Hons)
Computer Science, University of Engineering and Technology Lahore — Oct. 2019 - May. 2023

Intermediate
(HSSC) Computer Science, Islamia College Civil Lines, Lahore — 2017 - 2019

Matriculation
(SSC) Computer Sciences, Comprehensive Higher Secondary School, Lahore — 2015 - 2017

RESEARCH EXPERIENCE

Clinical Decision Support System for Unani Medicines — 2022 - 2023
Final Year research based extensive project that included collecting and digitalizing Unani medicine data, researching and developing machine learning, deep learning and reinforcement learning models, digitalizing the Unani Medicine System, and enabling further research on subject. Led the group, developed a prototype CDSS and Research platform, and documented the findings in a research thesis.

Relevant EXPERIENCES

Internship as an AI Engineer — March 2022
6-months internship with responsibilities of developing and Analyzing ML Models for Mobile and Web Applications. Developing Full-Stack Web Applications. Developing end-to-end ML Pipelines for training and deploying models. Handling Containers and Cloud Computing.

Associate AI Engineer — September 2022 – Present
Remote Job as an AI Engineer with responsibilities of MLOps to develop well-orchestrated ML Pipelines for Scalable AI Applications. Designing and Improving AI Models and working on Full Stack Web and Mobile Applications.

Open-Source Contribution — 2019 - Present
Developing programs and software, making it publicly available on GitHub and contribution to other's code.

FIELD PROJECTS

Handwritten Digit Recognition
Developed an OCR model using CNN to detect handwritten numbers from 1-9.

Neural Style Transfer
Developed a Neural Style Transfer using ResNets to generate image that combines style from an image with the content of another image

Image Segmentation
Developed an image Segmentation program to identify objects in an image

Face Recognition
Face Recognition program using CNNs

Linux Distro Recommender
Developed a website and deployed an ML Model to predict the single best Linux Distro based on user preferences.

COURSES AND CERTIFICATIONS

Neural Networks and Deep Learning Oct 2020
Online Course on Coursera by Deeplearning.ai, part of Deep Learning Specialization

Improving Deep Neural Networks Nov 2020
Online Course on Coursera by Deeplearning.ai, part of Deep Learning Specialization

Structuring Machine Learning Projects Jan 2021
Online Course on Coursera by Deeplearning.ai, part of Deep Learning Specialization

Data Analysis with Python Feb 2021
Online Course on Coursera by IBM

Fundamentals of Reinforcement Learning Nov 2022
Online Course on Coursera by University of Alberta and other partners, part of Reinforcement Learning Specialization

Convolutional Neural Networks Jan 2023
Online Course on Coursera by Deeplearning.ai, part of Deep Learning Specialization

Sequence Models Feb 2023
Online Course on Coursera by Deeplearning.ai, path of Deep learning Specialization

FIELD SKILLS AND INTERESTS

Languages and Tools
Python, C++, TensorFlow, PyTorch, Scikit-Learn, OpenAI Gym, TensorFlow Agents, PyTorch-RL, Keras-RL, Pandas, NumPy, Dask, PySpark, SciPy, MatplotLib, Google Cloud Platform, AWS, Azure, Docker, Kubernetes, Snowflake, Redis, VertexAI

Algorithms
Neural Networks, Convolutional Neural Networks, U-Nets, ResNets, Neural Style Transfer, YOLO, Recurrent Neural Networks, LSTM, GRU, Transformers, Attention Models, K-Armed Bandits, MDPs, Deep Q-Networks, Genetic Algorithms, Decision Trees, Random Forests, Linear and Logistic Regression, KNN