Hassan Javed

Artificial Intelligence Developer

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in LinkedIn   ⓞ Github   ⓦ Single   ⓒ Coursera

📇 Profile

As a passionate and skilled AI Developer, I am eager to leverage my expertise to drive impact and value for a dynamic and innovative organization. I thrive in challenging environments and am committed to continuously improving my skills to deliver high-quality, AI-driven solutions.

🎓 Education

MS (Data Science), *National University of Computing and Emerging sciences*   08/2022 — present
Islamabad, Pakistan

BS(Computer Science), *University Of Kotli (AJK)*   10/2017 — 11/2021
Kotli (AJK)

📖 Relevant Coursework

- Machine Learning
- Stats & Math
- Data Structure & Algorithm
- Deep Learning
- Data Mining
- Data Base Management
- Big Data Analytics
- Data Science Tools & Techniques
- Software Engineering

💼 Professional Experience

Artificial Intelligence Developer, *National Aerospace and Technology Park (NASTP)*   03/2024 — present
Working as a Research officer (AI Developer) here at Centaic (Center of Artificial   Rawalpindi, Pakistan
Intelligence and Computing) Alpha 01 under National Aerospace and Technology Park
Pakistan Airforce.

Artificial Intelligence Research Executive, *PanaceaLogics*   11/2023 — 03/2024
Current work: LLMs, LayoutLM v2,LayoutLMv3, LiLTv2, OCR and, GPT-2   Rawalpindi, Pakistan
NLP: Chatbots, Similar Content from PDFs, BERT pre-trained model for similar content,
LangChain, and OpenAI are used for similar problems and created the simple POC using
Flask.

Artificial Intelligence Specialist, *PanaceaLogics*   07/2023 — 10/2023
Fishes data collection, labeling, data cleaning, data preprocessing, Classification,   Islamabad, Pakistan
segmentation, and object detection.
Distance estimation of the object using the stereo vision technique, object detection, and
distance estimation between camera and object.
Calculate the BMI of FIsh using the images and paddle wheel detection.
Similar content finding through uploaded pdf by searching any query using NLP.

Data Scientist, *2hm Inc.*   01/2023 — present
Chicken Diseases, research, data augmentation classification, performance evaluation,   Islamabad, Pakistan
web app created using Flask.
Data Mining, marketing campaign dataset, data wrangling, exploratory data analysis,
model building fine-tuning the model report writing.
PowerBi, dashboard creating, creating triggers for multiple queries.

Software Engineer, *2hm Inc*   01/2022 — 12/2023
MERN Full Stack Developer.   Islamabad, Pakistan

Web Programming (TA), *FAST National University of Computer and Emerging Science*   08/2022 — 06/2023
Problem-solving skills in helping students overcome coding, Technical support including   Islamabad, pakistan
debugging code and resolving technical challenges, Course assistance applying MERN
stack concepts, including MongoDB, Express.js, React, and Node.js

Student, *FAST National University of Computer and Emerging Science*   08/2022 — present
Spark, Apache Spark for graph data created the Azure ETL pipeline for processing the   Islamabad, Pakistan
data, Apache Kafka for big data analysis using the algorithms to reduce the
computational complexity from the large dataset

Software Engineer, *SigmaVendors*   11/2021 — 01/2022
  Internship as a Software Engineer: PowerBI, Python, MySQL   Islamabad

Final Year Project in Garbage Detection Using Drone's, *Custom Trained Mask RCNN*
Model for Garbage Detection in Open areas and in dust bins. Volume Measurement of
garbage Deployment of Model using Django Framework and REST API's

Certificates

- Introduction to Programming using Python (Microsoft)
- Intro to Machine Learning (Kaggle)
- Introduction to TensorFlow for AI, ML, and DL(DeepLearning.ai).
- Data Visualization (Kaggle)
- Ask Questions to Make Data-Driven Decision Making Coursera | Google

- Machine Learning (Stanford University) Coursera Andrew Ng
- Intermediate Machine Learning (kaggle)
- Build Basic Generative Adverssarial Networks(GANs) (DeepLearning.ai)
- Foundations: Data, Data everywhere Cousera | Google

Achievements

Industrial Exhibition (MUST), *Control Automotive and Robotics Lab*
  We presented our Final Year Project and was awarded a participation shield

Skills

Languages
Python, JavaScript, C, C++,, HTML, CSS,PHP

Data Science
Machine Learning, Data visualization, Data Analysis, Pandas, Data structure, Open cv, statistics

Tools
Jupyter Notebook, Excel, PySpark, Docker, Openai Api

Framework
Tensorflow, Pytorch, Keras, Django, Reactjs, Mocha, Nodejs, Moongose and Expressjs

Libraries
Numpy, Pandas, Scikitlearn, scipy, Matplotlib, seaborn, Open cv, chai, Express,nltk

AWS
S3, Lambda Function, Sage maker, AWS wrangler