

Muhammad Jan

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LinkedIn: <https://www.linkedin.com/in/m0hammadjaan>

Github: <https://github.com/m0hammadjaan>

Education:

Bachelors In Computer and Information Systems Engineering (BE-CS)

October 2019 - August 2023

NED University of Engineering and Technology (**CGPA - 3.722**)

Work Experience:

Data Science Trainee

June 2023 - present

DataScienceDojo.com

Projects and Responsibilities:

- Attend day-to-day scrums
- Work on LLM-based projects using Langchain, LlamaIndex, and other frameworks
- Deploy web apps on Azure using Bicep Scripts (Infrastructure as Code)
- Publish apps on Azure Marketplace
- Write technical blogs and conduct content research for courses and bootcamps
- Explore Azure DevOps and create pipelines using GUI for pulling docker images to Azure container registries
- Explore Docker-Hub for publishing offers on Azure Marketplace
- Worked on LLM-powered bots using Langchain, Redis, and FAISS

Artificial Intelligence Intern

April 2022 - August 2022

National Centre of Artificial Intelligence

Projects and Responsibilities:

- Attend day-to-day scrums
- Part of the Weed Bot project team
- Done projects on YOLO Version 5, Supervised and Unsupervised Learning
- Annotate custom dataset and make 1000's samples
- Scrape data for a Natural Language Processing project

Projects:

Final Year Project: Simulation of Self-Driving Car using Deep Reinforcement Learning

Domain: Artificial Intelligence, Machine Learning, Reinforcement Learning

Programming Languages and Tools: JavaScript, Python, Pytorch 2.0, Numpy, Pandas, matplotlib

Strategy:

- Simulate environment using JavaScript
- Uses double Q-Learning algorithm of Reinforcement Learning
- Train a Convolution Neural Network using double Q-Learning
- Use Real-Time Communication to synchronize the environment with the Reinforcement Learning agent
- Uses Pytorch to build Convolution Neural Network

Adults.CSV dataset using Naive - Bayes Classifier

Github: <https://github.com/m0hammadjaan/-Adult.CSV-using-Naive-Bayes-Classfier.git>

Domain: Artificial Intelligence, Machine Learning

Programming Languages and Tools: Python, Numpy, Pandas, matplotlib, Scikit-Learn

Students Grade Prediction using Machine Learning

Github: <https://github.com/m0hammadjaan/StudentsGradePrediction.git>

Domain: Artificial Intelligence, Machine Learning

Programming Languages and Tools: Python, Numpy, Pandas, matplotlib, Scikit-Learn

Health Metrics

Github: <https://github.com/m0hammadjaan/Health-Metrics.git>

Domain: Web Design and Development, Data Engineering

Programming Languages and Tools: HTML5, CSS3, Bootstrap5, PHP, MySQL

Skills:

Programming and Markup Languages: Python, C++, JavaScript, PHP, HTML5, CSS3

Data Mining libraries and tools: Numpy, Pandas

Data Visualization libraries and tools: Matplotlib, Seaborn, Matlab

Machine and Deep Learning tools: Scikit-Learn, Pytorch

Cloud: Bicep for Azure

Other skills: Jupyter Notebook, LaTeX, Canva, Presentation, can implement a research paper with code

Languages:

English (Working proficiency)

Urdu (Native Language)