

Muhammad Haris

Mobile: +92 3124400177; haris.5f1@gmail.com; Lahore, Pakistan
<https://www.linkedin.com/in/muhammad-haris-61b425143/>

EDUCATION

Lahore University of Management Sciences Candidate for MS (Computer Science) - CGPA/Grade: 3.91 <i>Relevant Courses:</i> Applied Probability (A), Machine Learning (A), Big Data Analytics (A), Multi-agent Systems (A), Deep Learning (A) , Distributed Systems (A-)	July 2021 - July 2023
Lahore University of Management Sciences BS (Electrical Engineering) <i>Relevant Courses:</i> Digital Signal Processing, Power Electronics, Computer Networks	September 2013 - July 2017

CERTIFICATIONS/TRAININGS

- NVIDIA Fundamentals of Deep Learning
- IBM Data Engineering Foundations Specialization
- Udacity Data Engineering Nanodegree Program

EXPERIENCE

Fiver Freelancer	April 2018 - Present
<ul style="list-style-type: none">• Utilized Python for web scraping, data analysis, and manipulation using libraries such as Pandas and NumPy• Developed expertise in data engineering technologies such as Spark, AWS, Hadoop, and Cassandra to efficiently handle and process large datasets• Collaborated with clients to identify their specific needs and requirements and provided customized solutions to deliver high-quality deliverables• Maintained open communication with clients throughout the project lifecycle to ensure that project milestones and timelines were met	

LUMS

Teaching Assistant - Applied Probability	September 2022 - December 2022
<ul style="list-style-type: none">• Conducted tutorials for Applied Probability course• Checked and evaluated student assignments	

Elevate AI

Machine Learning Intern - Artificial Intelligence	June 2022 - October 2022
<ul style="list-style-type: none">• Collaborated with a team on multimodal AI projects involving voice tone, body language, speech, and facial expressions• Utilized PyTorch for deep learning tasks and developed skills in speech processing• Contributed to the development of innovative AI solutions that enhanced the company's capabilities and improved client satisfaction	

Sigma Motors

Intern	July 2015 - August 2015
<ul style="list-style-type: none">• Gained experience in sensors and electric circuits• Contributed to various projects in the field of automotive engineering	

PROJECTS

- Designed and implemented a consensus-based database system using Golang, which utilized the Raft algorithm to ensure data consistency and fault tolerance.
- Gained valuable experience in Golang programming, distributed systems, and consensus algorithms while delivering a robust database solution.
- Led the development of a data extraction solution for a German e-commerce startup to handle their inventory management needs.
- Designed and implemented a parallel operation system using Python to extract and process large amounts of data from various sources, resulting in a significant reduction in processing time
- Conducted research on fairness in imputation of missing features in graph data using GNN and GCN as classifiers
- Developed a game theoretic approach to enable distributed coverage of graphs as part of a research project.
- Conducted text analytics and clustering using unsupervised learning methods as part of a data analysis project.
- Vehicle Detection and Classification from Images and Videos
- Data Engineering – *Data modeling with Postgres and Apache Cassandra; Project Data Warehousing; Project Data Lake; Project Data Pipelines with Airflow*
- Voice tone classification (Emotion-detection)
- Research experience in smart grids – *The project was the development of test bed for experimental validation of smart grid technologies for demand side management.*
- Analysis of 5G network in Ultra Dense Cellular Networks

ADDITIONAL SKILLS AND EXPERIENCE

- Python- NumPy, Pandas, Scikit-learn, TensorFlow, Keras, PyTorch
- Python- Flask, Django, RestAPI
- PHP
- SQL
- AWS
- Web scraping

HONOURS AND AWARDS

- Placed 3rd in the Sultan Khan Memorial Chess Championship 2012.
- Served as a member of the Media Department and Admin team for LUMS Olympiad, contributing to the successful planning and execution of various events.

INTERESTS

- Machine Learning/Deep Learning
- Data Science
- Backend programming
- Algorithmic Game Theory