

Ahmad Tariq

Middle Data Scientist | Machine Learning & Deep Learning Engineer | MLOps Enthusiast

SUMMARY

A seasoned software engineer with a Master's in Electrical Engineering from Lahore University of Management Sciences and a Bachelor's in Computer Engineering from NUST. Specializing in data science, the engineer has honed skills in Tableau, Microsoft Power BI, and Amazon Redshift, showcasing versatility in data analytics and visualization tools. Fluent in English and Urdu, the candidate possesses full professional and native language proficiencies. Contributing to several research projects, the engineer has a track record in machine learning and automation systems, having led a team of 100+ staff on a major metro transit system and developed a localized Urdu search engine. The candidate's technical portfolio includes optimizing Information Retrieval and ML algorithms for news classification and ad-serving systems, aligned with top-tier research in Smart Data Systems and Intelligent Control.

TECHNICAL SKILLS

Main Technical Skills	Tableau (1 yr.), Power BI (1 yr.), AWS Redshift (1 yr.)
Programming Languages	Python (4 yr.)
AI & Machine Learning	Amazon Machine learning services, AWS ML (Amazon Machine learning services), TensorFlow
Python Libraries and Tools	TensorFlow
Data Analysis and Visualization Technologies	Business Intelligence (BI) Tools, Data Analysis (3 yr.), Data visualization, Power BI (1 yr.), Tableau (1 yr.)
Databases & Management Systems / ORM	AWS Redshift (1 yr.)
Amazon Web Services	AWS Cloudformation, AWS ML (Amazon Machine learning services), AWS Redshift (1 yr.)
Google Cloud Platform	GCE
UI/UX/Wireframing	3D Modelling
Virtualization, Containers and Orchestration	GCE

Other Technical Skills	Optimism, Tools, Unreal Engine
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WORK EXPERIENCE

Research Associate | Team Lead, Simulation Model for Stairlift

Duration: April 2019 - December 2019

Summary: Simulation model development for a stairlift

Responsibilities: Worked in the Bio Medical Lab on making a simulation model for a Stairlift for elderly

Research Officer | Machine Learning Engineer, Humkinar Urdu Search Engine

Duration: September 2018 - March 2019

Summary: Urdu search engine and machine learning algorithms improvement

Responsibilities: Part of High-Performance Computing and Networking Lab (HPCNL), Improved the Information Retrieval and Machine Learning algorithms for an Urdu Search Engine 'Humkinar', Designed, Developed, and Deployed an Ad-Server system

Technologies: Python, Machine Learning, SEO, SEM

Research Assistant, Intelligent Control Systems Application

Duration: September 2017 - September 2018

Summary: Applications of Intelligent Control Systems

Responsibilities: Building applications of Intelligent Control Systems, developed a Particle filter-based Terrain Vehicle Localization application

Technologies: IMU sensors, Particle filter-based localization

Automation Engineer | Team Lead, Automation of Orange Line Metro

Duration: March 2020 - October 2021

Summary: Orange Line Metro project automation engineering

Responsibilities: Team Lead supervision of 100+ staff for Automation Systems operation and maintenance, troubleshoot Automation Systems, SOP development and upkeep, scheduled maintenance activities

Technologies: Building Automation, Fire Alarm Systems

Data Scientist, Various Data Science Projects

Duration: April 2022 - July 2023

Summary: Data science and machine learning projects

Responsibilities: Data science tasks at Dice Analytics

Technologies: Data Analysis, Machine Learning

Trainer, Machine Learning | Deep Learning | Computer Vision Training

Duration: January 2023 - March 2024

Summary: Machine learning, deep learning, and computer vision training

Responsibilities: Providing training in ML, DL, and Computer Vision

Technologies: Machine Learning, Deep Learning, Computer Vision

Data Scientist, Various Data Science Analysis Projects

Duration: July 2023 - June 2024

Summary: Data science projects involving data analysis

Responsibilities: Data analysis and related projects at Vroozi

Technologies: Data Science Tools

Associate Researcher, Academic Research Projects

Duration: June 2024 - December 2024

Summary: Research work at Texas A&M University at Qatar

Responsibilities: Associate research activities

Data Analyst, Data Analysis Projects

Duration: October 2024 - February 2025

Summary: Data analysis solutions at Data Logic Solution

Responsibilities: Data analysis related projects

Technologies: Tableau, Microsoft Power BI, Amazon Redshift

EDUCATION

- **Lahore University of Management Sciences**
 - Master's degree, Electrical Engineering
 - 2015 - 2017
- **National University of Sciences and Technology (NUST)**
 - Bachelor's degree, Computer Engineering
 - 2011 - 2015
- **Garrison Academy for Boys, Lahore**
 - Matriculation, Sciences