



Muhammad Zaheer

Data Scientist

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S U M M A R Y

As a self-taught Data Scientist and Machine Learning Engineer, I bring a unique blend of tenacity, adaptability, and technical expertise to the field. My journey has been marked by a relentless pursuit of knowledge, hands-on experience, and a passion for leveraging data to drive business solutions. With proficiency in key programming languages, advanced statistical modeling, and a proven track record of delivering impactful results, I am poised to make a significant contribution to data-driven endeavors. My self-driven approach reflects a commitment to continuous learning, innovation, and a deep-seated enthusiasm for the evolving landscape of data science and machine learning.

E X P E R I E N C E

Data Scientist

06/2024 - Present

Plug AI ↗

- Worked in R&D, focusing on experimenting with new AI ideas in fintech, healthcare, and large language models (LLMs).
- Built AI models to solve healthcare problems, improving accuracy in predictions and diagnoses.
- Explored machine learning applications in fintech, leading to more efficient processes.
- Collaborated with teams to develop practical AI solutions using natural language processing and computer vision.
- Continuously tested and applied new AI methods to create real-world impact across different sectors.

Software Engineering Trainee

10/2022 - 05/2024

Ejad Labs ↗

- Engineered a fully functional web application to optimize operational workflows and enhance user interaction.
- Devised a resume scoring system based on intricate criteria, resulting in a 30% reduction in manual screening efforts.
- Constructed an automated AI interviewer using advanced machine learning techniques (GAN, computer vision), accelerating decision-making processes by 40%.
- Innovated a real-time GAN-based visual interviewer, improving interview efficiency by 25%.
- Integrated solutions into a comprehensive HR project, incorporating NLP, deep learning, web development, GAN, and computer vision.
- Achieved substantial cost savings and a remarkable 70% reduction in candidate selection and onboarding timelines.

Python Developer & Red Teamer

07/2023 - 08/2023

Government of Pakistan

- Decreased web application penetration testing time from 20 to 10 hours, resulting in direct labor cost savings and heightened security effectiveness.
- Reduced data extraction and conversion time by 70%, delivering concrete time savings for machine learning projects and mitigating resource-intensive manual tasks.
- Realized a 30% cut in pentesting expenditures by adopting Python automation for routine testing, providing a direct impact on the budget allocation for security initiatives.
- Improved team efficiency by 20% through seamless collaboration, ensuring the smooth integration of automated solutions across diverse functional teams without disruptions.
- Instituted new tools and methodologies, resulting in a 15% boost in overall process efficiency. This measurable outcome underscores a commitment to technological relevance and operational efficiency.

CERTIFICATES

Problem Solving ↗
HackerRank

09/2024 - Present

SKILLS

- Chatbot Development

RESTful APIs

Tableau

AWS

C/C++

Kubernetes

Git

Docker

Data Structures

Algorithms

Software Development

Nginx

Linux Administration

Databases

Streamlit

Keras

Applied Mathematics

Data Modeling & Evaluation

Large Language Models

DevOps

Time Series
- Transfer Learning

Generative AI

Reinforcement Learning

Natural Language Processing

Computer Vision

Neural Networks

Exploratory Data Analysis

Scikit-learn

PostgreSQL

MongoDB

MySQL

FastAPI

Flask

Django

Fast AI

Pytorch

Tensorflow

Deep Learning

Machine Learning

Python