

Ahmed Raza

Computer Science Graduate | AI & Data Science Enthusiast



Rawalpindi, Punjab



+923309864878



ahmedraza8616@gmail.com



www.linkedin.com/in/meahmedraza



https://github.com/meahmedraza



https://medium.com/@meahmedraza

ABOUT

A passionate and detail-oriented **Computer Science Graduate** with expertise in **artificial intelligence**, **data science**, and **machine learning**. Skilled in building predictive models, developing scalable data systems, and applying advanced analytics. Additionally, gained exposure to **Flutter development** during a short internship, enhancing my ability to integrate AI models into mobile applications when required.

EDUCATION

Bachelor of Science - BS, Computer Science

Haripur, KPK

Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology

Sep 2020 - Jan 2025

- Core Coursework: Data Structures, Operating Systems, Artificial Intelligence, Big Data Analytics, Design & Analysis of Algorithms, Database Management Systems, Parallel & Distributed Computing, Software Engineering, Information Security.

Final Year Project

- Developed a chatbot for the Federal Board of Revenue (FBR) using Large Language Models (LLMs) and Retrieval-Augmented Generation (RAG) techniques.
- Fine-tuned the Lama-2 7B model to enhance performance in addressing FBR-related queries.

PROFESSIONAL EXPERIENCE

Flutter Development Intern

Wah Cantt, Punjab

Elexoft Technologies | 2025

- Developed small-scale Flutter apps using Dart, integrating Firebase (Auth, Firestore DB, Storage) and REST APIs for CRUD operations.
- Applied state management (Provider, BLoC) and offline storage with SQLite and SharedPreferences.

AI/ML Trainee – Generative AI

Islamabad, Punjab

InnoVista | 2024 – 25

- Built foundational knowledge in **machine learning**, **deep learning**, and **data science** during a 4-month training program.
- Attended advanced workshops, including those on **AWS**, focusing on practical AI/ML applications.
- Specialized in **Generative AI**, including Vision and **Large Language Models (LLMs)**, gaining insights into cutting-edge AI techniques.

Game Development Intern

Lahore, Punjab

Mindstorm Studios | 2022

- Programmed gameplay features in **C#** and **Unity**.

Summer Intern – Web Development

Saddar, Punjab

Eziline Software House Pvt Ltd | 2022

- Designed responsive web interfaces using **HTML**, **CSS**, and **JavaScript**.
- Utilized **Bootstrap** for cross-platform optimization.

Web Development Intern

KP IT Park Abbottabad, KPK

Codematics Inc. | 2021

- Built and refined web applications using **HTML**.

PROJECTS

Chatbot for Federal Board of Revenue (FBR)

Final Year Project

- Developed a chatbot using **Large Language Models (LLMs)** and **Retrieval-Augmented Generation (RAG)** techniques.
- Fine-tuned the **Llama-2 7B model** to enhance performance in addressing FBR-related queries.

Hindko Character Recognition

Introduction to AI

- Developed a machine learning model to recognize Hindko characters using **Python**, **OpenCV**, and **TensorFlow**.
- Achieved high accuracy through image preprocessing and supervised learning.

Fish Weight Prediction

Data Mining

- Developed a predictive model to estimate fish weight based on species and physical features using **Python** and **Scikit-learn**.
- Optimized a regression model for accurate weight predictions.

EXTRACURRICULAR ACTIVITIES

Associate Member (PNS)

Jan 2023 - Present

Pakistan Nuclear Society

- Representing PAF-IAST at PNS, contributing to university-level initiatives related to nuclear science and awareness.

Community Volunteer

March 2022 - Jun 2022

Darmand Team

- Participated in community service activities, including career counseling in underserved schools, distributing clothes to needy children, organizing traffic rule awareness sessions, blood donation for hepatitis patients, anti-littering campaigns, and tree planting drives.

President, Ushers Team

March 2022 - Jun 2022

Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology

- Led and coordinated ushering activities for new student orientations, guiding and assisting the 2022 batch at PAF-IAST.

TECHNICAL SKILLS

- **Programming Languages:** Python, C/C++, C#, HTML, CSS, JavaScript
- **Frameworks and Tools:** TensorFlow, PyTorch, Unity, PostgreSQL
- **Data Science Libraries:** Pandas, NumPy, Matplotlib, Scikit-learn
- **Technical Expertise:** Machine Learning, Data Science, Artificial Intelligence
- **Soft Skills:** Critical Thinking, Problem Solving, Team Leadership, Communication

CERTIFICATIONS

- **Supervised Machine Learning: Regression and Classification**
- **Advanced Learning Algorithms**

Google Certifications:

- *AI Essentials, Advanced Data Analytics, Data Analytics, IT Automation with Python, UX Design, Cybersecurity, Project Management, IT Support, Business Intelligence, Digital Marketing & E-commerce*
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