# MUHAMMAD RAZA AHMED

**DATA SCIENTIST**

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## EDUCATION

**Mehran University of Engineering and Technology Jamshoro**     Jul 2023 - July 2027
Bachelor of Engineering in Computer Systems (BECS currently enrolled 5th Sem): CGPA: 4 / 3.59

**Federal Government Degree College Cantt Hyderabad Sindh**     Sep 2021 - May 2023
Intermediate Computer Science (ICS): 80.5% (6th Rank in Hyderabad)

## SKILLS SUMMARY

- **Languages:** Python, SQL, Java, C++
- **Frameworks:** Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, TensorFlow, FastAPI, Flask, Streamlit, NLP
- **Tools:** Excel, PowerPoint, Tableau, MySQL, MATLAB, Git & GitHub
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code, Spyder, Google Colab, Kaggle
- **Cloud & Frontend:** AWS, HTML, CSS, JS
- **Soft Skills:** Decision Making, Productive, Time Management, Excellent communication

## ACHIEVEMENTS

**3rd RANK IN ALL PAKISTAN PROJECT COMPETITION GUJRANWALA:** LINK     Mar 2023
- Secured 3rd rank among 20–30 colleges in an All-Pakistan project competition organized by Federal Government Institutions (FGIES) in Gujranwala Cantt.

**6TH RANK IN 12 (HSC):** LINK     Apr 2023
- Earned 6th rank among all Intermediate Computer Science (ICS) students in Hyderabad District, Board of Intermediate and Secondary Education Hyderabad (BISEH).

**CO LEAD IEEE XTREME KARACHI SECTION REGION 10:**     May 2025
- Selected as Co-Lead for Karachi Section, Region 10 (Asia and Pacific), for IEEE Xtreme 19.0 programming competition.

## WORK EXPERIENCE

**UI/UX Designer (Internship at Code Soft):**     Sep 2023 – Nov 2023
- Designed user-friendly interfaces for a restaurant and travel agency app with booking, car rental, and hotel features.
- Gained hands-on experience in wireframing, prototyping, and improving overall user experience.

**Data Expert (Click worker — Remote):**     Feb 2023 – Oct 2023
- Performed data labeling, image annotation, sentiment analysis, and text categorization for ML and NLP projects.
- Conducted product data matching, verification, and web research to enhance e-commerce data quality.
- Contributed to multilingual content moderation, transcription, and computer vision datasets with high accuracy.
- Delivered microtasks remotely with consistency, meeting strict quality and deadline benchmarks.

## PROJECTS

**PERFUME RECOMMENDATION SYSTEM:|** LINK
   **END-TO-END MLOPS PROJECT**
- Developed FastAPI-based system using TF-IDF and cosine similarity for personalized perfume recommendations on a 10,000-item dataset.
- Implemented MLOps with DVC, MLflow, and GitHub Actions; deployed on AWS with Kubernetes monitoring with Prometheus and Grafana.
- Achieved 95% recommendation accuracy with unit-tested RESTful APIs and HTML interface.

**MEDICAL WEBSITE INTEGRATED WITH AI:** LINK
   **Flask-Based System**
- Built Flask app with Node.js frontend and Firebase, integrating ML models for disease prediction (88% accuracy) and mental health analysis.
- Developed medical chatbot using sentence-transformers, reducing response time by 25%.
- Created admin panel with 15+ Plotly visualizations for user trends and analytics.

**OLYMPICS DATA ANALYSIS DASHBOARD:** LINK
   **Streamlit Application**
- Designed interactive Streamlit dashboard with Plotly and Seaborn, analyzing medal tallies and athlete performance.
- Visualized participation trends and gender diversity across 200+ countries and 30+ sports.

## CERTIFICATES

**PROGRAMMING IN PYTHON (UniAthena):**     Apr 2024
**GOOGLE AI Essentials (COURSERA):** LINK     Jun 2025
**Artificial Intelligence (ML, DL) (NAVTTC):** LINK     Sep 2024
**Data Science (PITP):**     Mar 2025