Ali Ahsan Rajani

✉ ahr.rajani@gmail.com 📞 +923037328702 📍 Karachi, Pakistan

📇 Profile

Data enthusiast with a passion for leveraging data-driven insights to optimize business processes and enhance decision-making.

🎓 Skills

- Data Analytics and Machine Learning
- Web development and UI/UX Design
- Design Thinking and Problem Solving

🎓 Education

Habib University
Bachelor in Computer Science
2022 – 2026 | Karachi, Pakistan
Current CGPA: 3.71/4.00

📁 Projects

Forecasting Curtailed Wind Power Using TFT and LSTM
Developing a predictive model using Temporal Fusion Transformer (TFT) and Long Short-Term Memory (LSTM) networks to forecast curtailed wind power production based on historical weather and energy data.

Machine Learning-Based Scam Call Detection
Develop a machine learning model to analyze patterns in call behavior, such as frequency, time of day, and historical data, to classify and flag suspicious numbers.

Customer Feedback Sentiment Analysis
Analyze customer feedback in roman urdu using sentiment analysis techniques to classify reviews into positive, neutral, or negative categories, providing actionable insights to improve services.

Ray Tracer Optimization using Bounding Volume Hierarchy
Optimized the Time Complexity of Ray Tracer making it more efficient for real-time image generation using Bounding Volume Hierarchy (BVH)

KPSIAJ Business Connect
Built an AI-driven digital ecosystem that brings together community-wide business networking portals and insurance platforms, using intelligent agents to improve accessibility and ensure scalable resource allocation.

🌐 Professional Experience

Nawadiraat
Artificial Intelligence Intern
May 2025 – September 2025
Focused on enhancing open-source, low-resource LLMs for Urdu by conducting applied research and developing product-driven prototypes.

Technezo
STEM Course designer and Instructor
September 2022 – July 2024

Gen. Sec CSEC Club
OSL, Habib University
January 2023 – January 2024

Computer Science, Community Mentor
OAP, Habib University
August 2023 – December 2023

🏅 Awards

Global Innovate Hackathon Winner
The World Federation Of KSIAJ, 2025

University Honors Dean's List
Habib University, 2023

International Collegiate Programming Competition(Regionals) Gold and Silver medalist
ICPC Foundation, 2022

DLD Project Exhibition and Competition (DPEC) 1st Position
Habib University, 2024

Code Bash Regional Winner
KPSIAJ, 2023

🧩 Programming Languages and Courses

Machine Learning, *Kaggle*

Web and Mobile Development, *Habib University*

Data Science, *Habib University*

Advance Machine Learning, *Kaggle*

Deep Learning, *Habib University*

Programming Languages:
Python, C++, C, MERN, HTML, CSS, Java Script

Design Thinking, *Habib University*