

PROFILE SUMMARY

Passionate and detail-oriented *Data Scientist* and *Research Assistant* with extensive experience in programming, data analysis, web development, and machine learning. Proven track record in leading cross-functional teams, developing backend solutions, and enhancing user interfaces. Adept at utilizing advanced tools and methodologies to deliver insightful data-driven solutions. Strong communicator with a keen ability to translate complex data into actionable insights.

CONTACT DETAILS

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SKILLS

- **Programming Languages:** Python, C++, C , C , JavaScript, Visual Basic, NODE.JS
- **Database Management:** MongoDB, MySQL
- **Web Development:** HTML & CSS, React
- **Tools:** Figma, GPT, Hugging Face, Hadoop, Spark, Kafka, micro python, React, Express, Rag
- **Data Analysis:** Big Data Analysis, Data Visualization, D3
- **AI,NLP, Edge Computation and Machine Learning**

EXPERIENCE

RESEARCH ASSISTANT at *KDD Lab, Islamabad* **April 2024–Present**
◊ Project Lead for three teams: Image Diffusion, Visualization Chatbot, and Git Crawler.
◊ Managed and coordinated the development of innovative solutions in AI and data science. ◊ Worked on edge technology, integrating SLM on edge devices and controlling hardware.

INTERN at *KDD Lab, Islamabad* **March 2023–April 2024**
◊ worked on NCAI project as a group lead during the summer internship.
◊ Led a cross-functional team to implement new features and enhance the web interface.
◊ Successfully led the team in delivering audio and video analysis for live interviews as well as improving the frontend. ◊ Spearheaded backend development for seamless integration of functionalities.
◊ Worked on LLMs and language models.

INSTRUCTOR at *Adastra Academy, Lahore* **June 2018–June 2018**
◊ Designed and conducted workshops on building Arduino-based robots.
◊ Instructed participants on hardware assembly and code functionality.
◊ Demonstrated troubleshooting techniques and provided one-on-one assistance for project success.

EDUCATION

FAST NUCES, ISLAMABAD **August 2021–Present**
◊ BSDS

THE CITY SCHOOL DHA, LAHORE **August 2019–June 2021**
◊ A’ Level

THE CITY SCHOOL DHA, LAHORE **August 2016–June 2019**
◊ O’ Level

PERSONAL PROJECTS

- ◊ AGE AND GENDER PREDICTION
- ◊ ESP WIFI-BASED TOY CAR CONTROLS
- ◊ HAND GESTURE CONTROLLED BOT
- ◊ RAG PDF CHATBOT

HOBBIES

Listening to Music, Making Bots, Driving