

# Muhammad Bilal Qaisar

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I am a 7th semester Data Science student with hands-on experience in Artificial Intelligence, Agentic AI, Generative AI, Database Management, SQL Server, Power BI, and ETL/ELT pipeline design. Skilled in applying AI/ML techniques to build scalable data solutions and optimize workflows. Passionate about leveraging data and AI-driven systems to deliver impactful insights and drive intelligent decision-making. Seeking challenging roles where I can apply my expertise in Data Science and AI to contribute to innovative projects and real-world impact.

## EXPERIENCE / PROJECTS

### Primo Dialler

*AI Engineer Intern*

Sep 2025 – Present

Lahore, Pakistan

- Developing AI-driven systems using LLMs, LangChain, and LangGraph with RAG and Agentic AI for intelligent automation.
- Building and deploying FastAPI microservices to integrate modular AI agents into production environments.
- Designing scalable data and model workflows to enhance system reliability, adaptability, and performance.

### Alpha Science Academy

*Programming Teacher (Remote)*

Jan 2024 – Jan. 2025

Lahore, Pakistan

- Conducted remote lectures on Programming Fundamentals and OOP in C++ and Python, covering core concepts and problem-solving techniques.
- Designed and delivered hands-on coding exercises and projects to enhance students' practical programming skills.

### Smart Surveillance System

- Built a Computer Vision model to detect fighting and smoking behaviors by preprocessing video frames.
- Deployed a Streamlit interface for real-time monitoring and detection.
- **Tools & Technologies:** Python, OpenCV, NumPy, PyTorch, Streamlit, Computer Vision

### Job Postings Fraud Detection

- Developed an ML model to detect fake job postings using NLP with XGBoost and Random Forest.
- Built a Streamlit dashboard for real-time predictions with SHAP-based explainability.
- **Tools & Technologies:** Python, NumPy, Pandas, Streamlit, Scikit-learn, XGBoost, SciPy, Joblib

### AI/ML and Data Visualization Projects

- Built an ML model to predict hypertension using data analysis and predictive modeling.
- Created a Python app for data preprocessing (missing values, outliers) to generate clean datasets.
- Designed a Power BI dashboard for Sales Data Analysis to track performance and trends.
- **Tools & Technologies:** Python, ML, Data Visualization, Data Analysis, Power BI, ETL, SQL

### Descriptive and Statistical Analysis

- Analyzed IT staff churn from 250+ responses using statistical techniques to identify key factors.
- Studied screen time effects on eye health with 275+ participants using advanced statistical methods.
- **Tools & Technologies:** Correlation, Hypothesis Testing, Data Visualization (Matplotlib, Seaborn)

## EDUCATION

### Punjab University College of Information Technology

*Bachelor of Data Science*

Lahore, Pakistan

Dec. 2022 – Present

### Superior College

*ICS - Physics*

Gujranwala, Pakistan

July. 2020 – July 2022

## SKILLS

**Programming/Scripting:** Python, C++, JAVA, SQL, Oracle PL/SQL, Power BI, DAX, n8n

**Technical Skills:** AI, Machine Learning, Langchain, LangGraph, LLM/SLM Big Data Analytics, Data Warehousing, DBMS, Data Visualization, Model Deployment