MUHAMMAD ROSHAAN

Muhammadroshaan1127@gmail.com 🌐 [GitHub](#) 🔗 [LinkedIn](#) 🔗[Portfolio](#) 📞 : 03158246881

OBJECTIVE

Computer Science 3rd year student with hands-on experience in backend development and data analytics. Skilled in FastAPI, Python, SQL, MySQL/MongoDB, and Power BI. Seeking an internship or junior role to contribute to backend or data-driven projects while gaining industry experience.

EDUCATION

Sir Syed University of Engineering and Technology   **Sep 2023–July 2027**
BS in Computer Science | 2023 – Present (**CGPA**:3.81/4.00)   *Karachi*
Courses: Python, SQL, Data Structures, Database Management, Data Analytics, DBMS, OS

TECHNICAL SKILLS

Languages & Tools: Python, SQL, C++, C#, Excel , FastAPI , MongoDB
Libraries & Frameworks: Pandas, Matplotlib, NumPy
BI & Visualization Tools: Power BI, DAX, Jupyter Notebook
Core Skills: Data Cleaning, Wrangling, ETL, Dashboarding, Reporting

PRACTICAL EXPERIENCE AND PROJECTS

Online Movie Ticket Booking System – Python + MySQL
Built GUI-based booking system integrated with SQL database.
Managed movie listings, users, and reservations using relational joins.

Book Manager API – Python (FastAPI) + SQLAlchemy + MySQL
Built a complete RESTful API for book inventory management, implementing CRUD operations with FastAPI, SQLAlchemy ORM, and MySQL.

Netflix Data Analysis – Python (Pandas + Matplotlib)
Explored Netflix dataset using Pandas and Matplotlib to uncover patterns in content release, genre popularity, and geographic distribution. Generated visual insights to highlight trends.

Social Media Sentiment Trends – Power BI + DAX
Dashboarded social engagement, hashtag trends, and platforms using DAX and data cleaning using PowerBI.

LANGUAGES

English: Fluent | Urdu: Native

CERTIFICATIONS AND COURSES

♣ **Introduction to MongoDB in Python** | DataCamp (Nov 2025)
A 3-hour course covering MongoDB fundamentals, NoSQL concepts, and core database operations in Python.

♣ **FastAPI (Python)** | Udemy | July - Oct 2025
Learned to build and deploy high-performance RESTful APIs with FastAPI, including database integration, data validation, and modular application design (21.5 hours).

♣ **SQL (MySQL)** | Programming with Mosh | March- May 2025
Learned structured query language concepts, covering joins, filtering, grouping, subqueries, and data manipulation.

♣ **Power BI for Beginners** | AlexTheAnalyst | Jan – Feb 2025
Built dashboards and visual reports using Power BI; covered data modeling, DAX, and business insights.

♣ **Pandas for Data Analysis** | Codebasics | Oct – Dec 2024
Watched the complete playlist focused on real-world data analysis tasks using the Pandas library in Python.