

MUHAMMAD RAYYAN

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Education

VIRTUAL UNIVERSITY OF PAKISTAN Faisalabad, Pakistan
Bachelor of Science in Computer Science **2024 - 2028**

GOVERNMENT GRADUATE COLLEGE OF SCIENCE Faisalabad, Pakistan
FSc. (Pre - Medical) **2018 - 2020**

Professional Experience

AMAL ACADEMY Faisalabad, Pakistan
An education startup funded by Stanford University that teaches professional skills to students and corporations

Career-Prep Fellow **Apr 2026 – Present**

- Led a team to analyze job insecurity for daily-wage laborers in Faisalabad by surveying 3 major Chowks (Bilal Chowk, Ghanta Ghar, Khawaja Chowk) and developed a feedback-tested prototype to improve their employment access.
- Raised PKR 25,000 for the Edhi Foundation by reaching 50+ individuals and 2 local businesses in person and via WhatsApp to aid social welfare programs.

OMEGA MEDICAL BILLING INC. Faisalabad, Pakistan
A technology-forward Revenue Cycle Management partner that combines over 20 years of certified healthcare experience.

Data Reporting Analyst **Jun 2024 – Present**

- Assisted in automating daily ETL pipelines by using Python and SQL scripts to extract 28M+ records from the Medisoft v24 Database, reducing 16 hours of manual data printing and ensuring 100% data accuracy.
- Developed an automation tool “eReports” using Python, OpenPyXL, Pandas, and NumPy for 10+ monthly Excel and PDF reports, reducing manual reporting time by 80%.
- Developed an automation tool for provider aging reports from eBO (IBM Cognos) that saves per-provider CSV exports and builds a formatted Excel workbook with provider- and bucket-level aging analysis.

CHAUDHARY TRADERS Faisalabad, Pakistan
A retail business providing home appliances and consumer goods to customers through flexible Installment plans.

Accountant & Cashier **Dec 2023 – Dec 2024**

- Managed customer installment ledgers, tracking payments and inventory for 600 + active accounts, improving cash flow efficiency by 98% to enhance customer service.
- Managed and verified in-and-out logs of stock for 40+ product items weekly to prevent inventory discrepancies and ensure seamless branch operations.

Extracurricular & Volunteer Experience

SpaceX Falcon 9 First Stage Landing Prediction Faisalabad, Pakistan
A machine learning pipeline designed to predict Falcon 9 landing success to estimate competitor launch costs.

Student Data Scientist **Nov 2025 – Dec 2025**

- Collected SpaceX flight data from online databases for web scraping using SpaceXApi and BeautifulSoup to build a clean dataset for analysis.
- Developed and tested four predictive models to achieve 89% accuracy, successfully delivering a cost-estimation tool.

Certifications and Online Courses

ONLINE COURSES
– IBM Data Science Professional Certificate (V3)- Coursera – IBM **Aug 2025 -Dec 2025**

Additional

- *Technical Skills:* Excel, Power BI, Pandas, NumPy, MongoDB, PostgreSQL, Docker
- *Interests:* MLOps, Data Engineering, Healthcare Data