

HAMZA JAWAD

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EDUCATION

University of Central Punjab, Lahore
Bachelor of Science in Data Science

Oct 2023 - Oct 2027

Punjab College, Lahore
Intermediate

June 2021 - Aug 2023

WORK EXPERIENCE

Independent Projects & Case Studies

July 2023 - Present

- **Led a team of 3 peers** in academic projects, coordinating timelines, deliverables, and documentation, which improved project completion efficiency by **20%** and strengthened **stakeholder communication**.
- Resolved data inconsistencies in large datasets, reducing preprocessing errors by **25%** through structured cleaning workflows in Excel, SQL, and R, supporting **accurate decision-making**.
- Automated KPI reporting by building interactive dashboards, cutting manual reporting time by **35%** and improving **business process visibility** for faster evaluations.
- Conducted process optimization audits, identifying **10+ gaps**, leading to a **15%** improvement in performance metrics and **20%** growth in visibility, demonstrating **business process improvement**.
- Performed **exploratory data analysis (EDA)** to uncover key business trends, improving model interpretability by 30% and strengthening **business insights** for project recommendations.
- Cleaned, transformed, and analyzed large datasets, improving the **accuracy of insights by 25%** and streamlining workflows to support **data-driven business analysis**.

PROJECTS

- Improved data accuracy by **25%** through cleaning and preprocessing in R, strengthening **data quality for business analysis**.
- Automated **KPI tracking and reporting** with Tableau dashboards, reducing manual reporting by 35% and enhancing **stakeholder communication of insights**.
- Conducted **business process analysis and optimization** on practice websites, leading to a 15% boost in rankings and 20% increase in impressions within 4 months.
- Built a **predictive housing price model** in Python (82% accuracy) to support **real estate decision-making**, while reducing data preparation time by 25%.
- Applied Logistic Regression on telecom churn data, achieving 78% accuracy and reducing misclassification by 18%, enabling **better customer retention analysis**.
- Analyzed seasonal hotel booking trends using **R** and **Tableau dashboards**, delivering recommendations projected to reduce cancellations by **12%**.

PROFESSIONAL CERTIFICATIONS

Google Data Analytics

(Coursera)

Advanced Excel & MS Office

(Peak Solutions)

ADDITIONAL

- **Technical Skills:** Python, C++, R, Django, MySQL, Pandas, NumPy, Matplotlib, SQL, Tableau, Excel, DSA, Data Cleaning, Data Visualization, Storytelling, SEO (On-Page, Off-Page, Technical)
- **Interests:** Contributing to data analysis projects and database-drive applications, developing SEO growth strategies, exploring open-source projects in data science and machine learning