MD ADNAN QAMAR

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SUMMARY

Data Analyst skilled in Python, SQL, Excel, and Power BI for data cleaning, transformation, visualization, and reporting. Experienced in exploratory data analysis, regression, and hypothesis testing**.** Strong background in building dashboards, automating reports, and delivering business intelligence insights for decision-making.

TECHNICAL SKILLS

Languages : C++, Python (Pandas, NumPy, MatplotLib)
Databases : MySQL (Joins, Subqueries, Aggregations, Normalization)
Visualization Tools : Power BI (Dashboard Design, DAX), MS Excel (Pivot Tables,VLOOKUP)
Data Handling : Data Cleaning, Data Wrangling, ETL Pipelines
Statistical Methods : Descriptive Statistics, Regression, Hypothesis Testing, Probability Distributions
Web Technologies : HTML, CSS, JavaScript
Other Tools : GitHub, VS Code, MySql Workbench, Jupyter Notebook

EDUCATION

Bachelor of Technology (B.Tech) – Computer Science
Rajasthan Institute of Engineering & Technology, Jaipur *(2022-Present)*

EXPERIENCE

CODSOFT
(Remote)
C++ Programming | Internship ***06/203 - 07/2023***

- Translated theoretical Object-Oriented Programming (OOP) concepts into practical application by building two end-to-end console applications from the ground up.
- Improved code quality and team efficiency by diligently debugging across 50+ test cases, leading to a 30% reduction in feedback cycles from my mentor.
- Took ownership of key application features, contributing over 800 lines of clean, modular C++ code to enhance functionality and user experience.

IBM SkillsBuild
(Remote)
Internship | Data Analyst Intern ***07/2025 - 08/2025***

- Built ETL pipelines to extract, clean, and transform datasets using Python (Pandas, NumPy) and SQL queries, ensuring 100% data accuracy.
- Designed Power BI dashboards and performed EDA, regression, and hypothesis testing to uncover trends and validate insights that improved stakeholder decision-making speed by 30%.
- Automated reporting processes, reducing manual analysis time by 25%.
- Conducted data preprocessing and visualization using Pandas, NumPy and Matplotlib.
- Developed reusable scripts that reduced analysis time by 20% and collaborated in Jupyter Notebook with Git for version control.
- Automated data workflows with Python, improving efficiency by 15%.

LEADERSHIP & ACTIVITIES

- Led a team of 4 data analysts on the *"COVID-19 Data Analysis"* project, ensuring timely task completion and accurate results.
- Conducted structured weekly meetings to track progress, resolve specific blockers, and increase measurable team productivity by **20%**.
- Converted raw datasets into well-structured reports and visual dashboards, which resulted in the project being selected for a **formal presentation at an IBM event**.

PROJECTS

Global COVID-19 Pandemic Trajectory Analysis

- Built an interactive Power BI dashboard which reduced manual reporting effort by 30% for trend monitoring of COVID-19 cases, deaths, and fatality rates.
- Applied data cleaning and transformation in Python and Excel for accurate reporting.
- Analyzed dataset of 200K+ global records to validate HDI-CFR hypothesis.

Hospital Data Analysis

- Optimized SQL queries to analyze patient appointments, treatments, and doctor workloads that reduced query execution time by 40%.
- Segmented records by age, gender, and city to find trends in healthcare services.
- Identified peak appointment slots improving scheduling efficiency by 20%.

Student Database Query Engine

- Designed and executed complex SQL queries to generate detailed reports and perform in-depth analysis of student performance and records.
- Improved query execution speed by applying indexing strategies and optimizing SELECT statements, joins, subqueries, and aggregate functions.
- Delivered accurate and consistent data outputs to support academic decision-making, while ensuring data integrity and reliability.

CERTIFICATIONS

- **IBM SkillsBuild –** Data Analysis using Python (*2025)*
- **Data Analyst Bootcamp –** Jose Portilla (*2025)*

ACHIEVEMENTS

- Innovation Award: College Hackathon Winner
- Built a 24-hour functional prototype using Python and C++ for data analysis and backend development, achieving Top 5% recognition in technical innovation.
- Demonstrated 40% efficiency in SQL queries, optimizing database performance and reducing execution time from 120ms to 72ms. Leadership Recognition • Won 1st place in an inter-departmental poetry writing competition, showcasing leadership and creativity in a creative, time-bound project.
- Led a team of 5 members to win a Creative Excellence Award, highlighting their leadership in project management and teamwork. Athletic Excellence • Represented the team in a 200m swimming team and volleyball competition, demonstrating leadership in sports science and team-building.