

# 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.

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## 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

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## EDUCATION

**Bachelor of Technology (B.Tech) – Computer Science**

Rajasthan Institute of Engineering & Technology, Jaipur

(2022-Present)

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## EXPERIENCE

### CODSOFT

(Remote)

**C++ Programming | Internship**

06/2023 - 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%.
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## 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**.

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## 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.

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## CERTIFICATIONS

- **IBM SkillsBuild** – Data Analysis using Python (2025)
- **Data Analyst Bootcamp** – Alex Freberg (2025)

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## ACHIEVEMENTS

- Secured **Runner-Up** position among 20+ teams in college-level **Hackathon** by designing and developing a functional prototype within 24 hours demonstrating problem-solving skills, teamwork and rapid thinking with multi-tasking.
- Achieved **State Rank 2** in the prestigious **National Talent Search Examination (NTSE)**, reflecting strong aptitude in logical reasoning, mathematics, and general awareness in the session 2020-21.

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## EXTRA-CURRICULAR ACTIVITIES

- Passionate **Table Tennis** enthusiast and proudly represented the institution at various inter-college tournaments with strong performances.
- Regularly engage in **Swimming** as a personal fitness discipline, focusing on technique, stamina, and overall physical conditioning.
- Enjoy solving the **Rubik's Cube** as a mental exercise, reflecting problem-solving ability, patience, and cognitive agility.