Shrishti Agarwal

Data Analyst with 2+ Years Experience

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PROFESSIONAL EXPERIENCE

Data Analyst

Modulus Educational Society 📍 Hyderabad, India   📅 Jun 2023 - May 2025

- Led a **Student Performance Analysis project** using Python & SQL to track learning gaps, improving scores by **15–20%** through data-backed academic interventions.
- Automated **50+** Excel files (~14K records) using Python, which reduced manual work and improved data accuracy.
- Predictive analysis **(RMSE 21.32,79% accuracy**) using Python to forecast performance and support planning.
- Built interactive Tableau dashboards to track **KPIs and trends**, helping stakeholders make faster, data-backed decisions, [View on GitHub](#).

PROJECT EXPERIENCE

SQL Case Studies for Business Insights

- Solved 10+ SQL case studies using joins, window functions, views and CTEs.
- Simulated real-world scenarios in food-tech, retail, and customer analytics to drive insight-based decisions.

Sales and Customer Analytics ⧉

- Analyzed **100K+** sales/customer records to find **top 5 revenue**-driving regions and products.
- Designed Tableau dashboards with **YoY KPIs and filters**.

Predictive Analytics using Regression Modeling ⧉

- Built and validated regression models on 1,000+ business samples, ensuring statistical assumptions (normality, multicollinearity, outliers) were satisfied.
- Improved model accuracy by **~23% (R^2 increased from 0.61 → 0.75)**, enabling more reliable decision-making.
- Tools: R, statistical packages.

SKILLS

Tech Stack and Software: SQL, Python, Tableau, Advance Excel, C++

Data Science and Analytics: Data Cleaning, Feature Engineering, Predictive Modeling, KPI Reporting

Statistical Analysis: Hypothesis Testing, Regression Analysis

Soft Skill: Attention to Detail, Collaboration, Problem Solving, Communication

CERTIFICATIONS AND TRAINING

- [Google Data Analytics Professional Certificate](#)(Coursera) - 2025
- [SQL Workshop](#) (TechTFQ) - 2025
- [Python for Everybody](#) (Coursera) - 2021

EDUCATION

M.Sc. in Mathematics and Computing | GPA - 8.3/10   📅 2021 - 2023
Indian Institute Of Technology Hyderabad 📍 Hyderabad, India

B.Sc. in Maths | GPA - 8.97/10   📅 2018 - 2021
Banaras Hindu University 📍 Varanasi, India

ACHIEVEMENTS

5 Star in SQL(Hacker Rank) | Excellence in Academics | Rank 237,IIT JAM