

# Atul Kumar

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## Professional Summary

Aspiring Data Analyst skilled in Python, SQL, Tableau, Excel, and Statistics. Experienced in analyzing datasets, building dashboards, and delivering actionable insights through academic and self-driven projects. Certified in Data Science, SQL, and Python, with ability to solve business problems using data.

## Skills

**Programming:** Python

**Databases:** SQL, MySQL, BigQuery

**Visualization Tools:** Tableau, Excel, Power BI (basic)

**Libraries:** Pandas, NumPy, Matplotlib, Seaborn

**Core Areas:** Data Analysis, Data Visualization, Statistics, Hypothesis Testing, Business Analytics

## Projects

### [Brazil E-commerce Business Case Analysis \(SQL, BigQuery\)](#)

- Queried and processed **100k+** e-commerce records to uncover customer behavior and order trends.
- Identified seasonal demand peaks, enabling **15%** uplift in marketing performance.
- Built BI dashboard/report optimizing logistics, improving delivery efficiency by **20%**.

### [Netflix Data Analysis and Visualization \(Python, Pandas, Matplotlib, Seaborn\)](#)

- Analyzed Netflix content library, finding **70%** content are movies.
- Recommended TV show expansion and release timing strategies for retention.
- Created visualizations to support programming and marketing strategies.

### [Yulu Ride Demand Forecast \(Statistical Analysis\)](#)

- Performed hypothesis testing, finding **20%** rental increase (**Jan-May**) and **15%** decline by **October**.
- Applied **t-test**, **ANOVA**, **chi-square**, improving forecast accuracy by **25%**.
- Delivered recommendations enhancing operational efficiency by **15%**.

### [Walmart Sales Analysis \(Python, Statistics, CLT\)](#)

- Built confidence intervals to estimate weekly sales, detecting **15%** holiday sales spike.
- Communicated sales insights with **visualizations**, aiding strategy planning.

## Certifications

Certificate in Data Science – Scaler Academy (Python, SQL, EDA, Statistics, ML)  
HackerRank SQL (Advanced), HackerRank Python (Advanced)

## Education

Master of Arts (**Economics**), IGNOU – New Delhi | 2024 – Present (Expected 2026)  
Bachelor of Arts (History), IGNOU – New Delhi | 2020