Priya Shah

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Economics graduate analysing data with SQL, Python and Power BI

Profile

Economics graduate (2:1, University of Birmingham) with a placement in a retail insights team and a dissertation built on 40,000 rows of survey data. Uses SQL, Python and Power BI to clean data, find patterns and explain them clearly to non-technical colleagues.

Education

BSc Economics, University of Birmingham

2:1 | Birmingham | Sep 2021 – Jun 2024

- Modules: Econometrics (74%), Statistics, Data Analysis in Python, Labour Economics
- Dissertation: regression analysis of commuting time and job satisfaction using 40,000 survey responses

A-levels, Solihull Sixth Form College

AAB | Solihull | Sep 2019 – Jun 2021

- Mathematics (A), Economics (A), Geography (B)

Experience

Insights Intern, Fenwick Lane Retail Group

Birmingham | Jun 2024 – Sep 2024

- Wrote SQL queries to combine sales and footfall data for 35 stores, replacing a manual weekly spreadsheet.
- Built a Power BI dashboard used by 8 regional managers to track weekly sales against target.
- Identified that 3 stores' promotions were underperforming on weekdays, which informed a change in display timing.
- Presented findings to the head of insights in a 10-minute summary with recommendations.

Sales Assistant, Bramley Books

Solihull | Oct 2021 – May 2024

- Tracked weekly sales of new releases in Excel to suggest reorder quantities to the manager.
- Served up to 150 customers on busy Saturdays while keeping displays and stock accurate.

Projects

UK house prices explorer

Python, pandas, public Land Registry data | 2024

- Cleaned and analysed 1 million price-paid records to compare price growth across 10 regions; published charts and code on GitHub.

Skills

SQL, Python (pandas, matplotlib), Power BI, Microsoft Excel (pivot tables, XLOOKUP), Regression analysis, Data cleaning, Data visualisation, Presenting insights

Certifications

- Microsoft Power BI Data Analyst (PL-300), 2024