

## Rishika Agarwal

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### SUMMARY

Pursuing a Master's in Business Analytics at the University of Warwick, proficient in Python, SQL, and data visualization tools. Having completed two Business Analyst roles and two research projects, I am actively seeking opportunities as a Business Analyst.

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### EDUCATION

MSc in Business Analytics | University of Warwick | 2024-2025

- Modules: Analytics in Practice, Data Management, Deep learning, Pricing analytics

B.A in Economics with Mathematics | Ahmedabad University | 2020-2024

- Modules: Decision science, Discrete mathematics, Predictive modelling, Simulation Modelling
  - Dissertation: Enhancing Efficiency and Societal Impact of Ahmedabad's BRTS: Interventions and Innovations
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### WORK EXPERIENCE

Motilal Oswal, Ahmedabad, Gujarat

Stock Market Analysis Intern.

JUN '24 - AUG '23

- Engaged and pitched to 30+ potential investors through personalised outreach, securing ₹1,000,000 (£9,000) in capital and contributing to increased business volume and growth in assets under management
- Conducted equity research using technical indicators (MACD, RSI) and fundamental analysis in Excel to identify short-term stock opportunities, supporting advisor recommendations and client decision-making

MetroBrands, Ahmedabad, Gujarat

Business Analysis Intern.

JUL '23- JUL '24

- Analysed 8+ years of sales data across Gujarat and Maharashtra using seasonal ARIMA modelling in Stata and trend analysis in Excel to forecast open-category footwear demand, revealing seasonality aligned with festive months and supporting inventory planning and sales optimization
  - Evaluated revenue trends and store performance using inflation-adjusted comparative analysis and presented the findings to the stakeholders through interactive Tableau dashboards and clear communication, guiding strategic decisions on discount timing and stock allocation.
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### PROJECTS

Business Analysis Portfolio

Academic Projects.

- Developed a portfolio of analytics projects using Python, SQL and forecasting techniques to demonstrate skills in data management, pricing analysis and business insights, resulting in a practical showcase of analytical capabilities on [my Github Portfolio](#)

Ahmedabad University, Ahmedabad, Gujarat

Researcher.

JUL '21- DEC '21

- Designed and implemented surveys to access vector breeding sites, ensuring a high response quality through effective data collection, cleaning and validation using tools such as Excel and Google Forms
- Analysed field data to identify hotspots for malaria, dengue and chikungunya using statistical tools (SPSS, Excel) and spatial mapping software (QGIS), based on data collected from the survey
- Collaborated with public health teams and local authorities to recommend Larval Source Management (LSM) strategies, resulting in targeted intervention and improved vector control in high-risk zones

Ahmedabad University, Ahmedabad, Gujarat

Research Assistance.

NOV '20- FEB '21

- Enabled ambulance access to BRTS lanes, offering an innovative solution to improve emergency response infrastructure
  - Developed a simulation model in AnyLogic through detailed research, resulting in a 10% reduction in average Emergency Medical Service (EMS) response time
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### LANGUAGES, SKILLS AND CERTIFICATES

- **Languages:** English (Professional), Hindi (Intermediate), Gujarati (Native), Sanskrit (Beginner)
  - **Skills:** Matplotlib, Microsoft Excel, Power BI, Pyomo, Python, R, Seaborn, SPSS, SQL
  - **Certificates:** Google App Developer, Google Scratch Programming, 5-Year Arts Proficiency Certificate
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