

# SUCHIT PATHAK

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## EDUCATION

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University of Birmingham, UK

Date: Sept 23 to Dec 24

Master's Programme: MSc Data Science - Grade: 76.77% (Distinction)

NMIMS, INDIA

Date: July 19 to June 23

BTech: Electronics & Telecommunication Engineering - Grade (CGPA): 3.61/4

## KEY PROJECTS

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### Retail Profitability Analysis

Date: Jan 25 to Feb 25

- Designed a dynamic Tableau dashboard to track KPIs including Sales, Profit, Discount Impact, and Regional Performance, supporting strategic decisions across customer segments, shipping modes, and product categories.
- Conducted data transformation and preparation in Power BI to streamline reporting workflows, reducing manual analysis effort by 40% and enabling real-time business performance monitoring.
- Implemented advanced Tableau features including calculated fields, dynamic filters, and category-level drilldowns to enhance user interaction, enabling stakeholders to independently explore trends and insights.

### Expansion Insights: Revenue & Sales Analysis

Date: Dec 24 to Jan 25

- Conducted in-depth sales and revenue analysis using Tableau and Excel, identifying trends across pricing strategies, customer segments, and regional performance, resulting in actionable insights for strategic expansion.
- Designed multi-frame, interactive Tableau dashboards to visualize customer demand, product purchase behavior, and YoY revenue growth, enabling leadership to track performance metrics and uncover market opportunities.
- Automated sales KPI reporting and implemented category-level filters, improving reporting efficiency by 35% and reducing manual effort for monthly performance reviews.

### GDP Forecasting using Predictive Modelling

Date: Jan 24 to Mar 24

- Built a GDP forecasting model using Python and ML algorithms, analyzing macroeconomic indicators such as inflation, exchange rates, and interest rates to support financial planning and economic scenario analysis.
- Achieved 85% prediction accuracy through model optimization and feature engineering, demonstrating strong capabilities in time-series analysis, regression modeling, and forecasting techniques.
- Designed interactive visualizations using Tableau to communicate economic trends and forecast comparisons, enabling stakeholders to understand growth patterns and make data-driven policy or investment decisions.

## PROFESSIONAL EXPERIENCE

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### Project Intern

Reliance Jio Infocomm Limited

Date: May 22 to June 22

- Researched Massive Multiple Input Multiple Output (MIMO) technology in 5G networks at Reliance Jio Infocomm Limited. Implemented data validation techniques to ensure data accuracy & quality for insights.
- Analysed key parameters and deployment challenges of Massive MIMO in 5G environments.
- Developed basic proficiency in MATLAB, enhancing overall data analysis and problem-solving capabilities during the internship.

## SKILLS

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**Programming:** Python, SQL, Business Intelligence & Data Visualization (Tableau, PowerBI)

**Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib, TensorFlow

**Data Models:** ER Diagrams, SQL Database Design, Data Modeling, Database Management, Data Privacy (GDPR)

**Tools:** PowerPoint, PostgreSQL, Advanced Excel (VLOOKUP, Pivot), MS Office

**Skills:** Problem Solving, Teamwork, Attention to detail, Effective Communication

**AI/ML:** Supervised & Unsupervised Learning, Model Evaluation, Data Automation & Process Optimization

**Statistics:** Hypothesis Testing, Regression Analysis, Bayesian Statistics