# SRISHTI SURESH PATIL

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## PROFESSIONAL SUMMARY

Data professional with 2+ years of experience in analysis, Python, SQL, and visualization tools. Improved operational efficiency through data solutions and automation with measurable results. Currently seeking Data Analytics and Business Intelligence roles to apply technical skills and support business decisions.

## EDUCATION

**RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY**                                                   **December 2025**

Master of Information Technology & Analytics

*Relevant Coursework: Data Analytics and Visualization, Business Data Management, Analytics for Business Intelligence, Software Development, Business forecasting, Project Management.*

## WORK EXPERIENCE

**Rutgers Business School**                                                                                **January 2025-Present**

*Graduate Teaching Assistant, Time Series Forecasting*                                         *Newark, New Jersey*

- Led instructional sessions on advanced forecasting models (ARIMA, Exponential Smoothing, Decomposition), improving student performance by 40%.
- Facilitated hands-on workshops using Python and R, enhancing analytical accuracy by 35% and accelerating response time by 25%.
- Mentored 50+ students in practical forecasting applications and created streamlined data analysis workflows.

**Tata Consultancy Services (TCS)**                                                                     **July 2022 – July 2024**

*System Engineer*                                                                                                *Mumbai, India*

- Architected and implemented automated business workflows for USA-based automotive industry client using Python and SQL, reducing incident response times by 40% and improving operational efficiency by 35%.
- Engineered Python-based APIs for data extraction and optimized AWS cloud infrastructure (Lambda, DynamoDB, SNS, CloudWatch), improving performance by 30% and reducing operational costs by 25%.
- Performed advanced data analysis on customer usage patterns and built interactive Power BI dashboards to visualize KPIs, improving executive decision-making processes.
- Conducted root cause analysis using SQL queries and statistical methods, reducing incident frequency by 45% while establishing standardized protocols that improved data integrity by 40%.
- Led cross-functional data quality initiatives and mentored junior team members on data analysis best practices and SQL optimization techniques.

**Infigon Futures**                                                                                             **April 2021 - June 2021**

*Python Developer*                                                                                               *Mumbai, India*

- Enhanced data processing accuracy by 35% through web scraping and cleaning using Python libraries (BeautifulSoup, Selenium, NumPy, Pandas).
- Crafted optimized API modules to streamline data retrieval and integration, reducing processing time by 20%.
- Pioneered actionable data visualizations using Matplotlib and Plotly for stakeholder decision-making.
- Implemented data validation procedures that reduced errors by 30% and improved overall data quality.

## RELEVANT PROJECTS

**Electric Vehicle Market Analysis |** *Tableau* **(Link)**

- Analysed EV market trends using Tableau, revealing 300% growth in registrations and identifying regional adoption patterns.
- Delivered data-driven recommendations to support strategic decision-making based on consumer preference insights.

**E-commerce Sentiment Analysis for Amazon Reviews |** *Python, TensorFlow, Matplotlib, Seaborn* **(Link)**

- Performed ETL processes on 34,000+ reviews, implementing NLP methodologies to improve classification accuracy.
- Developed sentiment analysis models that accurately predicted customer satisfaction with 85% accuracy.

**Unemployment Forecasting for NYC Population |** *Time Series Forecasting, R* **(Link)**

- Applied multiple forecasting models on NYC unemployment data, improving prediction accuracy by 20%.
- Established validation processes using statistical metrics that increased stakeholder confidence by 25%.

## SKILLS

**Data Analysis & Modeling:** Statistical Analysis, Predictive Modeling, Time Series Forecasting, Data Mining, ETL Processes

**Programming Languages:** Python, R, SQL, JavaScript, HTML/CSS, C++

**Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn, ggplot2

**Tools & Technologies:** Azure, AWS, Git, Jupyter Notebook, VS Code, Postman, JIRA, Agile Methodologies, Excel (Advanced Functions, PivotTables, VLOOKUP), Microsoft office suite

## LEADERSHIP ACTIVITIES

- Executive Marketing Head, Masters in Information Technology Student Association (MITSA) from January 2025-Present.
- Membership development officer, Institute of Electrical and Electronics Engineers (IEEE) from 2020-2021.
- Treasurer, Institute of Electrical and Electronics Engineers (IEEE) from 2021-2022.