**Srujan Shekar Shetty**

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# EDUCATION

Illinois Institute of Technology, Chicago, IL MAY 2025

**Master (MS) in Data Analytics and Management, GPA: 3.3/4.0**

**SKILLS**

**Languages/Databases:** Python, R, C#, JavaScript, MySQL, PostgreSQL, NoSQL  
**Frameworks/Libraries:** NumPy, Pandas, Scikit-Learn, Matplotlib, PySpark, TensorFlow, PyTorch, Hadoop, Hive  
**Cloud/Analytics Platforms:** AWS (S3, Glue, Athena, EC2, EMR, Redshift), Salesforce  
**Data Visualization Tools:** Tableau, Power BI, SSAS, MS Excel, Quicksights  
**Other Skills:** GitHub, Jira, Agile Development, MS PowerPoint, AI Tools, ITIL, ISO, NIST, COBIT, ERD.

# PROJECT EXPERIENCE [🔗](https://github.com/SrujanSShetty?tab=repositories)

**Real-Time Stock Market Data Processing Engine**

Developed a real-time stock market data engine using Apache Kafka, Python, and AWS. Simulated data production, integrated Kafka for event streaming, and used AWS Glue and Athena for real-time analytics. This project improved data engineering and cloud-based data management skills.

**End-to-End Data Engineering on Spotify Data (AWS)**

Built a data engineering pipeline on AWS for Spotify data, leveraging S3, Glue, and Athena to improve data processing efficiency by 40%. Created AWS QuickSight dashboards to visualize music trends and enhance decision-making.

**Spotify Streaming Insights Dashboard (Power BI)**

Developed an interactive Power BI dashboard for Spotify streaming data. Integrated Spotify Developer API, applied advanced DENEB visuals, and used Bravo for time intelligence to analyze trends and optimize playlist curation.

**LinkedIn DataMart with ETL and Power BI**

Led the design and deployment of a LinkedIn DataMart using Curl API, SQL, and JSON. Automated data pipelines and created a Power BI dashboard for network analytics, optimizing LinkedIn profile utilization.

**AI-Powered Food Ordering Chatbot**

Built an NLP-based chatbot using Google Dialogflow and FastAPI for real-time order processing with MySQL. Enhanced customer interaction and automated workflows for a food ordering website.

**Halloween Chocolate Sales Analysis (Tableau)**

Analyzed 2023 Halloween chocolate sales data in Tableau to identify top-selling chocolates by brand and genre. Created a dynamic dashboard to provide actionable insights for marketing strategies.

**Developed an interactive Tableau dashboard for analyzing stock data of six major companies (Apple, Facebook, Google, Nvidia, Tesla, Twitter).**

Utilized Pandas for data manipulation, creating columns for moving averages, percent change, and daily volume changes. Processed historical NASDAQ stock prices, focusing on six companies. Key features included KPIs, multiple line charts, detailed tables, histograms, and dynamic filters. Tools used: Tableau, Pandas, Jupyter Notebook, CSV files.

**Customer Segmentation for UK-Based Gift Store**

Conducted clustering analysis using K-means, DBSCAN, and other models to identify customer segments. Suggested 14 data-driven actions based on classification models for marketing and operations.

**Beijing Air Quality Pollution Forecasting**

Developed a regression model using the Beijing PM2.5 dataset to predict air pollution levels. Addressed multicollinearity, applied cross-validation, and improved prediction of hazardous air quality days.

# WORK EXPERIENCE

**DATA ANALYST**

**NETConnect Global (NCG), Bengaluru, IN** MAY 2022-JULY 2023  
Developed a Python Flask web application that utilized GPT-4-32k Azure OpenAI LLM, Langchain, and Chroma-db for interacting with custom PDFs, ITR documents, and SQL databases, significantly improving compliance document analysis. I also built an HR attrition analysis dashboard in Power BI, which helped reduce the attrition rate by 30%, saving the company $20,000 in retention costs. Additionally, I was a part of $143k project that involved web scraping LinkedIn data to provide valuable insights for hiring decisions, ensuring the right candidates were identified for key positions. My automation of NSE/BSE document analysis saved 7,000 hours of manual work, and I developed a Proposal Builder tool that enhanced Google Slide presentations with intuitive templates and real-time collaboration, streamlining the proposal process.

**TECHNICAL ANALYST**

**Aspire Tele Solutions, Bengaluru, IN** SEPT 2021 - APRIL 2022

Analyzed project data for clients like Ola, identifying trends to improve security services and technical support. Created data-driven reports and visualizations using Excel, Power BI, and SQL. Collaborated with teams to

enhance service efficiency and resolve client issues.

# CERTIFICATIONS

* GlobalShalaExcelerate X Illinois Institute of Technology – Project Management Virtual Internship (Feb 2023).
* GlobalShalaExcelerate X Illinois Institute of Technology – Data Visualization Virtual Internship (March 2023).
* Tableau 2020 A-Z: Hands-on Tableau Training for Data Science (6th Sept’21).