**Srujan Shekar Shetty**

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# EDUCATION

Illinois Institute of Technology, Chicago, IL MAY 2025

**Master (MS) in Data Analytics and Management, GPA: 3.5/4.0**

**SKILLS**

**Languages/Databases:** Python, R, C#, JavaScript, MySQL, PostgreSQL, NoSQL, SQL

**Frameworks/Libraries:** NumPy, Pandas, Scikit-Learn, Matplotlib, PySpark, TensorFlow, PyTorch, Hadoop, Hive

**Cloud Services:** AWS (S3, Glue, Athena, EC2, EMR, Redshift), Salesforce

**Data Visualization Tools:** Tableau, Power BI, QuickSight, Excel, DENEB

**Data Engineering & ETL Tools:** Apache Kafka, AWS Glue, Redshift

**Development Tools:** Google Dialogflow, FastAPI, GitHub, HTML, CSS, Java, Jira, Agile Development

**Standards & Methodologies:** ITIL, ISO, NIST, COBIT, ERD

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

**Video Game Purchase Analytics using advanced SQL.**

Designed and managed an SQL database for video game purchase data across platforms using DDL and DML. Employed aggregate functions for key metrics, and complex joins to merge data from multiple sources. Applied data aggregation and filtering to segment data by demographics and platform. Optimized queries with indexing, used window functions for ranking, and automated reports with stored procedures. Developed Tableau dashboards for trend visualization, top games, and customer insights, enhancing decision-making and marketing strategies.

**LinkedIn DataMart with ETL and Power BI**

Designed and deployed a LinkedIn DataMart using Curl API, Excel, SQL, and JSON. Automated data pipelines and developed a Power BI dashboard for network analytics, enabling enhanced profile utilization and actionable insights for career and business strategies.

**Spotify Streaming Insights Dashboard**

Developed an interactive Power BI dashboard for Spotify streaming data, leveraging advanced SQL and DENEB visuals and Bravo for time intelligence. Integrated Spotify Developer API to analyze trends and optimize playlist curation, delivering data-driven insights for user engagement.

**Spotify Data Pipeline on AWS**

Built and managed a data engineering pipeline for Spotify data using AWS S3, Glue, and Athena. Automated data ingestion, transformation, and real-time analytics. Improved data processing efficiency by 40% and created AWS QuickSight dashboards to visualize music trends and enhance strategic decision-making.

**Web Scraping and ETL for Real-Time Stock Data**

Developed an ETL pipeline for real-time stock market data using Python, Apache Kafka, and AWS Glue. Scraped live stock prices and performed transformations to store data in AWS Redshift for analysis. Created Power BI dashboards to monitor trends and support financial decision-making.

**Beijing Air Quality Pollution Forecasting**

Built a regression model on the Beijing PM2.5 dataset to predict air pollution levels. Applied multicollinearity resolution techniques, cross-validation, and regression optimization, improving the accuracy of hazardous air quality predictions using R. Delivered actionable insights for environmentalpolicymaking**.**

**AI-Powered Food Ordering Chatbot**

Built an NLP-based chatbot using Google Dialogflow, FastAPI, and MySQL for real-time food order processing. Automated customer interactions reduced manual intervention, and enhanced user experience through efficient and intuitive conversational flows.

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

Performed customer segmentation in python using K-means and DBSCAN clustering on retail sales data. Identified distinct customer groups and provided 14 data-driven marketing and operational recommendations. Helped improve customer engagement and retention strategies by leveraging unsupervised learning techniques.

# WORK EXPERIENCE

**BUSINESS INTELLIGENCE ANALYST**

**NETConnect Global (NCG), Bengaluru, IN** MAY 2022-JULY 2023  
Developed and deployed a Python Flask web application using GPT-4-32k Azure OpenAI LLM, Langchain, and Chroma-db for efficient analysis of custom PDFs, ITR documents, and SQL databases. Designed interactive dashboards in Tableau using SQL, Excel, including an HR attrition analysis solution that reduced turnover by 30%, saving $20,000 in retention costs. Conducted ETL operations and web scraping on LinkedIn and financial data, providing actionable insights to optimize hiring strategies and market analysis. Automated NSE/BSE document analysis, saving 7,000+ hours of manual effort. Created advanced reporting systems and collaborative tools, enhancing decision-making and streamlining business processes.

**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 & INTERESTS

* 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).
* Content creator/owner @ [**SRJ STREAMS**](https://www.youtube.com/@srjstreams4836), a YouTube gaming channel focused on gameplay and community engagement.