Poorna Venkat Neelakantam

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Summary

Graduate student in Management – Data Analytics (Dec 2025, degree conferred Jan 2026). Skilled in **SQL, Python, and Excel (Pivot Tables, VLOOKUP, Power Query, Data Modeling)**. Experienced with **Tableau and Power BI** for building dashboards and reports. Completed projects in data cleaning, automation, and financial/business dataset analysis..

Education

Indiana Wesleyan University-Marion, IN

Master of Science, Management (Data Analytics) | GPA: 3.44   January 2024 - December 2025

Illinois Institute of Technology, Chicago, IL

Master's in computer science, Transferred to IWU   August 2022 – January 2024

SRM University, AP - Mangalagiri, India

Bachelor of Technology, Computer Science | GPA: 3.7   August 2017 - June 2021

Work Experience

OpenText – Associate Software Engineer | Bengaluru, India | *Nov 2021 – May 2022*

- Designed and optimized backend APIs handling **50K+ daily client requests**.
- Investigated and resolved 25+ production issues, improving **system uptime to 99.5%**.
- Optimized database queries and connection pooling, contributing to 20% reduction in application startup time.
- Enhanced existing caching layer reducing API response times from 800ms to 200ms.

OpenText – Digital Solutions Intern | Bengaluru, India | *May 2021 – Nov 2021*

- Assisted in ActiveMQ to Kafka migration testing for message queue handling 10,000+ daily workflow messages.
- Developed Python log parser automating error detection, reducing team's manual monitoring from 4 hours to 30 minutes.
- Created technical documentation for REST API endpoints and database schemas across 3 applications.
- Supported Jenkins CI/CD pipeline configuration for automated testing and deployment workflows.

Skills

Programming & Analytics: SQL (MySQL, PostgreSQL), Python (Pandas, NumPy, SciPy), R, Java

Data Visualization & BI: Advanced Excel (Pivot Tables, VLOOKUP, Power Query, Data Modeling), Tableau, Power BI, Alteryx (familiar)

Data Platforms & Cloud: PySpark, Airflow, Hadoop, AWS (S3, EC2, Lambda), GCP (Big Query), Azure.

Other Tools: CI/CD, Docker, PowerPoint, Apache Kafka

Projects

Business Intelligence Dashboard Suite | Tableau, Power BI, DAX, Excel

- Conducted exploratory data analysis (EDA) on **50K+ business records** to identify patterns and KPIs.
- Built **interactive dashboards and drill-through reports**, reducing report generation time from 2 hours → 5 minutes.
- Used **Excel Pivot Tables, VLOOKUP, and Power Query** to clean and prepare datasets for BI dashboards.
- Automated repetitive data processing tasks using Python and DAX frameworks, improving **efficiency and data reliability**.

Tech Industry Layoffs Analysis| SQL, MySQL, Excel

- Built SQL ETL pipeline for **2K+ financial & HR records**, reducing data quality issues from **23% → <2%**.
- Designed reusable SQL functions and applied advanced queries (CTEs, window functions), improving reporting accuracy by **95%.**

Advanced Python Analytics Toolkit | Python, SciPy, Statistical Analysis

- Automated a pipeline for **2,361+ business datasets**, reducing processing time from **4+ hrs → 2 seconds.**
- Conducted **correlation analysis across 19 features**, identifying 31+ strong relationships for systematic outlier detection.
- Built a **web scraping system for Fortune 500 datasets**, reducing manual collection by **95%**.

Leadership

- Chaired a flagship **Techfest with 5,000+ participants**, managing data-driven operations and leading 25+ technical events, strengthening organizational and communication skills.