

Vani Paila

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Summary

Data Analyst with 4+ years of experience transforming complex data into actionable insights using SQL, Python, Power BI, and Tableau. Built ETL pipelines and dashboards that improved efficiency, increased revenue. Skilled in A/B testing, forecasting models, time series analysis, and translating data into clear, strategic decisions across cross-functional teams and business units.

Key Skills

Languages & Tools: Python, SQL, R, Java, PostgreSQL, MySQL, SQL Server, BigQuery, Advanced Excel

BI & Visualization: Power BI, Tableau, Google Data Studio, AWS Quicksight, Looker, Alteryx, Microstrategy, Adobe & Google Analytics

Data Management: ETL, Data Profiling, Anomaly Detection, Data Mapping, Data Reporting, Data Storytelling

Data Analysis & Statistical Methods: A/B Testing, Time Series Analysis, Forecasting Models

Big Data & Cloud: Hadoop, Spark, Kafka, AWS, Azure, Google Cloud

Collaboration & Office Tools: Jira, Confluence, GitHub, SDLC, Bitbucket, Microsoft PowerPoint, Word, Access, Visio

Soft Skills: Cross-functional Collaboration, Stakeholder Communication, Change Management, Project Facilitation

Professional Experience

USF Technology Transfer Center | Research and Innovation

Aug 2023 - Present

Data Analyst

Tampa, FL

- Design and deploy an ETL pipeline using SQL and Python, reducing manual workload by 30% and improving data load speeds by 50% for over 2 million records per batch.
- Automate critical hospital performance tracking dashboards utilizing Python, enhancing reporting processes and informing strategic decisions that led to a 10% improvement in bed utilization rates over the two-year project.
- Innovate and automate critical performance tracking dashboards using Python, substantially improving reporting processes and aiding a 17% increase in revenue through strategic inventory management insights.

DBS Tech

Oct 2021 - Jul 2023

Data Analyst – Treasury & Markets

Hyderabad, India

- Optimized SQL queries in Murex Datamart Views and Reporting Tables, improving performance by 40%.
- Tuned PostgreSQL queries for large datasets (10M+ rows), reducing execution time by 35%.
- Created end-to-end dashboards in Power BI and Tableau, increasing real-time data accessibility by 60%.
- Performed data profiling and anomaly detection using Teradata, improving data accuracy by 98%.
- Delivered executive-level reports in PowerPoint and Power BI, driving 15% improvement in leadership decision-making.

Accenture

Jan 2021 - Oct 2021

Data Analyst

Hyderabad, India

- Enhanced Power BI reports by reducing load duration from 30s to 5s through automation and performance tuning.
- Created Python scripts for data transformation on marketing datasets, using MySQL to streamline business processes by 29%.
- Automated tasks across healthcare datasets using advanced Microsoft Excel features like Pivot tables, VLOOKUPS, and VBA Macros, increasing automation by 40% and improving operational efficiency.

Projects

Business 360 : E-commerce - Retail and E-commerce / Sales Analytics | [Project Link](#)

[Power BI, SQL, Excel, DAX, M Query, Dashboard Development, Financial Modelling, Forecast Analysis]

Jan 2025 - Feb 2025

Sales and Finance Analytics | [Project Link](#)

[Excel, Pivot Tables, Power Query, DAX, P&L Reporting, Data Automation, Financial Analytics]

Dec 2024 - Jan 2025

HR Analysis Dashboard - Human Resources | [Project Link](#)

[Power BI, Excel, Data Cleaning, Data Visualization, Revenue Forecasting, Dashboard Development]

Apr 2024 - May 2024

Drop Vertical Jump Data Synchronization - Biomechanics Data Analysis Project

[Python, MATLAB, Signal Processing, Time-Series Data Handling]

Feb 2025 – April 2025

Certifications

Google Analytics Certification - Google | Feb 2025 | [Certification Link](#)

Databases and SQL for Data Science with Python - Coursera | Jun 2024 | [Certification Link](#)

AWS Certified Cloud Practitioner - AWS | April 2025 | [Certification Link](#)

Education

University of South Florida

Masters - Computer Science | CGPA-3.8/4

Jawaharlal Nehru Technological University

Bachelor of Technology - Computer Science | CGPA-3.7/4

Tampa, FL

Aug 2023 - May 2025

Hyderabad, India

Aug 2017 - May 2021