

# Vani Pailla

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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, and enabled 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  
**Data Management:** ETL, Data Profiling, Anomaly Detection, Data Mapping, Data Reporting, Data Storytelling  
**Big Data & Cloud:** Hadoop, Spark, Kafka, AWS, Azure, Google Cloud  
**Collaboration Tools:** Jira, Confluence, GitHub, Bitbucket

## Professional Experience

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|--|-------------------------|
| <b>USF Technology Transfer Center</b>  | <b>Tampa, FL</b>        |
| Data Analyst Intern (Internship)   | Jun 2024 - Present      |
| <ul style="list-style-type: none"><li>Designed and deployed 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.</li><li>Automated 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.</li><li>Innovated and automated critical performance tracking dashboards using Python, substantially improving reporting processes and aiding a 17% increase in revenue through strategic inventory management insights.</li></ul> |                         |
| <b>DBS Tech</b>  | <b>Hyderabad, India</b> |
| Analyst (Full-Time)  | Oct 2021 - Jul 2023     |
| <ul style="list-style-type: none"><li>Optimized SQL queries in Murex Datamart Views and Reporting Tables, improving performance by 40%.</li><li>Tuned PostgreSQL queries for large datasets (10M+ rows), reducing execution time by 35%.</li><li>Created end-to-end dashboards in Power BI and Tableau, increasing real-time data accessibility by 60%.</li><li>Performed data profiling and anomaly detection using Teradata, improving data accuracy by 98%.</li><li>Delivered executive-level reports in PowerPoint and Power BI, driving 15% improvement in leadership decision-making.</li></ul>  |                         |
| <b>Accenture Solutions Pvt.Ltd</b>   | <b>Hyderabad, India</b> |
| Data Analyst (Full-Time)   | Jan 2021 - Oct 2021     |
| <ul style="list-style-type: none"><li>Enhanced Power BI report efficiency, reducing load duration from 30 seconds to 5 seconds through automation and performance tuning.</li><li>Developed python scripts for data transformation on marketing datasets, streamlined business process by 29%.</li><li>Employed Advanced Microsoft excel (pivot tables, VLOOKUPS, VBA macros) to automate tasks across healthcare datasets, automation enhanced by 40% and enhanced overall operational efficiency.</li></ul>  |                         |

## Projects

|  |                              |
|--|------------------------------|
| <b>Business 360 : E-commerce - Retail and E-commerce / Sales Analytics</b>   | <a href="#">Project Link</a> |
| [Power BI, SQL, Excel, DAX Studio, Data Modeling, Dashboard Development, Data Integration, Sales Forecasting]  | Jan 2025 - Feb 2025          |
| <ul style="list-style-type: none"><li>Merged MySQL and Excel data sources (1M+ records), saving 25% of report size and improving performance by 10%.</li></ul>   |                              |
| <b>Sales and Finance Analytics - Financial Analysis &amp; Reporting</b>  | <a href="#">Project Link</a> |
| [Excel, Pivot Tables, Power Query, DAX, P&L Reporting, Data Automation, Financial Analytics]   | Dec 2024 - Jan 2025          |
| <ul style="list-style-type: none"><li>Generated a P&amp;L report for FY 2022 using Excel Pivot Tables and DAX to analyze revenue streams and expenses.</li></ul> |                              |
| <b>HR Analysis Dashboard - Human Resources</b>   | <a href="#">Project Link</a> |
| [Power BI, Excel, Data Cleaning, Data Visualization, Revenue Forecasting, Dashboard Development]   | Apr 2024 - May 2024          |
| <ul style="list-style-type: none"><li>Built departmental attendance tracking dashboard, reducing absenteeism rates by 18%.</li></ul>                             |                              |

## 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

|  |                         |
|--|-------------------------|
| <b>University of South Florida</b>               | <b>Tampa, FL</b>        |
| Masters - Computer Science  CGPA-3.8/4           | Aug 2023 - May 2025     |
| <b>Jawaharlal Nehru Technological University</b> | <b>Hyderabad, India</b> |
| Bachelor of Technology - Computer Science        | Aug 2017 - May 2021     |