Vani Pailla

Tampa, Florida

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EDUCATION

University of South Florida	Aug. 2023 – May 2025
Master of Science in Computer Science	*Tampa, Florida*
JNTUH University	Aug. 2017 – May 2021
Bachelor of Technology in Computer Science and Engineering	*Hyderabad, India*

EXPERIENCE

USF Technology Transfer Center(TTO) — June 2024 – Present
Data Analyst Intern — *Tampa, Florida*

- Developed an **optimized ETL pipeline** in SQL & Python, reducing manual effort by 30% and accelerating **data ingestion speed by 50%** across 2M+ records per batch.
- Designed and implemented an HR Attendance Dashboard in Power BI, enabling real-time workforce analytics across multiple departments and **improving HR reporting efficiency by 50%.**
- Consulted with business teams to drive data-driven decision-making, delivering actionable insights to improve efficiency

DBS Tech — October 2021 – June 2023
Analyst — *Hyderabad, India*

- Enhanced **SQL queries and analytical functions**, **optimized query efficiency by 40%** in Murex Datamart Views, Reporting Tables, and Stored Procedures.
- Indexed PostgreSQL queries to improve **JOIN performance by 40%**.
- Optimized PostgreSQL queries in **Google BigQuery**, reducing query execution time by 35% on 10M+ rows.
- Created scalable dashboards in **Tableau** & **Power BI**, enabling end-to-end implementation process and **real-time data insights by 60%** and improving decision making.
- Conducted data profiling, anomaly detection, and KPI tracking, increasing data accuracy by 98% using Teradata.
- Maintained databases (**MySQL, PostgreSQL, SQL Server**) and documented updates and ensured data profiling & **anomaly detection**, improving data accuracy by 98% using Teradata.
- Delivered **executive-level reports** using Power BI **PowerPoint**, providing actionable insights that improved decision-making by 15%.

Accenture Solutions Private Limited — May 2021 – October 2021
Data Analyst — *Hyderabad, India*

- Automated **Power BI** reports, reducing load time from 30s to 5s.
- Performed A/B testing and customer segmentation analytics, increasing engagement by 15% and conversions by 10%.
- Led a marketing data analysis project in the hospitality sector, identifying trends in sales and predicting a 20% revenue recovery within a month.

PROJECTS AND PUBLICATIONS

Hospitality Analysis - Hotel Chain Business — January – 2025

- Customized a Power BI dashboard to identify causes of declining revenue and market share at Atliq Grands

Consumer Goods Analytics – Ad-Hoc-Insights — December – 2023

- Delivered insights on 10 ad-hoc business requests using SQL on a million-row database, boosting decision-making speed by 15%.

HR-Analysis-Dashboard Public - HR — May – 2024

- Engineered attendance tracking dashboards that provided insights across 10+ departments, reducing by 18%.

TECHNICAL SKILLS

Languages: Python, SQL, R, Java, C++
Databases & **SQL**: Teradata, SQL Server, PostgreSQL, MYSQL, Google BigQuery
Marketing & Business Intelligence: A/B Testing, Customer Segmentation, Campaign Performance Analytics
Data Transformation & Processing: ETL Pipelines, Data Parsing, Data Mapping, Flat File Processing
Data Analytics & Visualization: Tableau, Power BI, Advanced Exce, Google Data Studiol
Collaboration Tools: : Jira, Confluence, Github