

VISHAL MAHENDRA

Analytics Engineer | dbt • Snowflake • Medallion Architecture • GenAI-Powered BI

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PROFESSIONAL SUMMARY

Analytics Engineer with 4+ years building dbt and Snowflake data models that power \$300M+ ARR planning, forecasting, and revenue analytics for a global SaaS platform. Experienced across the full ELT lifecycle, including PySpark and Delta Lake pipelines, Medallion Architecture data modeling, and Power BI/Tableau delivery for cross-functional revenue, product, and partner teams. Recently built GenAI-powered Streamlit dashboards on Snowflake for predictive churn and product adoption, using Cortex Analyst and AWS Bedrock/SageMaker to bring insights directly to revenue leadership. SnowPro Core and Microsoft Power BI Data Analyst Associate certified.

CORE SKILLS

Data Transformation & Modeling: dbt (models, tests, documentation, macros), SQL, Snowflake, Medallion Architecture, Dimensional & Star-Schema Modeling, Semantic Layer Design

Data Engineering & ELT Pipelines: PySpark, Python (Pandas, NumPy), Delta Lake, AWS (S3, Glue, Redshift, Athena), Microsoft Fabric (Dataflow Gen2), ETL/ELT, Data Governance & Quality

AI/ML & GenAI: AWS Bedrock, SageMaker, Snowflake Cortex Analyst, GenAI-Powered Dashboards (Streamlit), Scikit-learn, spaCy, NLP

AI-Augmented Delivery: MCP-connected Power BI & Snowflake workflows, Claude Code, Devin, Atlassian Rovo

BI & Visualization: Power BI (DAX, M), Tableau, Streamlit, Amazon QuickSight, Gainsight, Datadog, Salesforce CRM

Engineering Practices: Git, CI/CD, GitHub Copilot, Apache Airflow, Jira, Agile

PROFESSIONAL EXPERIENCE

Smarsh, Bengaluru, India Nov 2022 – Present

Analytics Engineer Jan 2025 – Present

- Engineered dbt staging and mart models on Snowflake powering Pipeline & Bookings, Predictive Churn, and Forecasting, adopted by the CFO as the single source of truth for \$300M+ ARR planning and cutting manual report prep by 75%.
- Built GenAI-powered Predictive Churn and Product Adoption dashboards in Streamlit on Snowflake, using Cortex Analyst and a Medallion Architecture (Bronze, Silver, Gold) data model to give revenue leadership real-time account health and churn-risk visibility, cutting executive analysis cycles by 40%.
- Architected a PySpark and Delta Lake ELT pipeline that migrated 15M+ historical records with automated schema evolution, backed by a Python data-quality reconciliation suite that performs end-to-end cell-level validation for 100% data accuracy.
- Designed star-schema Power BI semantic models for Win/Loss Analysis, Attach Rate/Whitespace, and Partner Model, natively connected to Salesforce across multi-million-row datasets for 3 teams, cutting analyst query turnaround by 40% and eliminating manual spreadsheet pulls.
- Replaced rigid monthly data models with daily Microsoft Fabric Dataflow Gen2 streaming jobs, consolidating 3 legacy pipelines and cutting delivery lag by 30%.
- Deliver Power BI semantic model and dbt/Snowflake changes through MCP-connected, AI-agent-assisted workflows (Claude Code, Devin, Atlassian Rovo) under team governance guardrails, accelerating delivery while holding existing review and test standards.

Associate Agile Analyst Nov 2023 – Dec 2024

- Prototyped a GenAI/NLP root-cause classifier in Python using AWS Bedrock and SageMaker to auto-flag issues in Jira tickets, cutting technical-debt resolution time by 25%.
- Built automated Jira health and DORA Metrics dashboards that reduced sprint bottlenecks and lifted on-time delivery by 30%.

Trainee Analyst Nov 2022 – Oct 2023

- Owned 25+ production BI dashboards and automated their back-end pipelines, cutting manual refresh overhead by 90%.

BYJU'S, Bengaluru, India Nov 2021 – Oct 2022

Academic & Operations Specialist

- Built scheduling dashboards tracking 500+ weekly sessions, cutting conflicts by 35% and reducing manual planning effort.

CERTIFICATIONS

- Snowflake SnowPro Core Certification (2026)
- Snowflake Platform Certification (2026)
- Power BI Data Analyst Associate, Microsoft (2025)
- Foundations of BI and Agile Project Management, Google (2023)

EDUCATION

- AI/ML Certificate Program, UC Berkeley Executive Education (In Progress, Expected 2027)
- B.Tech, Aerospace Engineering, SRM Institute of Science and Technology (2021)