

NAME

Rama Chandra I.V

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Snowflake Certified | dbt | Healthcare Domain Expert (16 yrs)

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SUMMARY

Data & Analytics Engineer with 16+ years experience delivering enterprise data solutions, analytics platforms, and modern data stack pipelines.

Snowflake-certified and hands-on with dbt, SQL, Python, and cloud-based ELT architecture.

Strong background in healthcare, operations, and analytics with proven implementation record at scale.

Focused on building clean, tested, modular data models and business-ready analytics.

*Currently building end-to-end Snowflake + dbt projects demonstrating modern data engineering and cloud ELT pipeline capabilities.*

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CORE SKILLS

**Cloud & Data** — Snowflake, dbt, SQL, Python, S3/Blob

**Data Modelling** — Dimensional modelling, SCD, ELT Pipelines

**Tools** — Git/GitHub, Airflow (basic), VS Code, Jinja

**Analytics** — Healthcare Insights, Finance & Retail Metrics

**Practices** — CI/CD for dbt, Testing, Documentation, Version Control

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CERTIFICATIONS

✔ **SnowPro Core Certification — Score: 888/1000**

🏆 **Hands-On Essentials: Data Warehousing — Snowflake**

🏆 **Hands-On Essentials: Data Applications — Snowflake**

📖 **Snowflake: The Complete Masterclass (Nicholas Schuller, 2022)**

🐍 **Python for Finance & Data Analytics**

☁ **Azure Databricks Masterclass: ETL & Data Engineering**

*dbt Analytics Engineering Certification — In Progress (Target: Jan 2026)*

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## SIGNATURE PROJECTS

*(Portfolio projects simulating enterprise analytics & data platforms)*

### Unified Enterprise Data Platform — Snowflake + dbt + Python *(Flagship)*

Built a modern cross-domain data platform integrating healthcare, retail, and finance datasets using Snowflake & dbt.

Designed raw → staging → core → marts architecture, incremental models, SCD2 dimensions, dbt tests, data quality checks, docs, and dashboards.

**GitHub:** [link](#)

### Healthcare Analytics Warehouse — Snowflake + dbt

Modelled patient, encounters, billing, and clinical KPIs using Synthea synthetic EHR data.

Implemented staging & mart layers, quality tests, macros, and documentation.

**GitHub:** [Healthcare Analytics](#)

*More projects available at GitHub: [Repositories](#)*

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## PROFESSIONAL EXPERIENCE

### Analytics Engineer / Senior Data Specialist — Deliveroo

*Mar 2024 – May 2025, Hyderabad*

- Built a **Python + Snowflake automation pipeline** to query live datasets, apply dynamic SQL logic, merge tables, and export results directly to **Google Sheets** for real-time reporting and business consumption.
- Developed **modular Python scripts** using the **Snowflake Python Connector**, enabling parameterized SQL execution and dynamic filtering based on user inputs.
- Designed and deployed **incremental data loading logic** on Snowflake, reducing compute overhead and improving data freshness while maintaining efficient pipeline execution.
- Modeled business data using a **multi-fact dimensional approach**, enabling cross-domain analytics and scalable metric definitions.
- Achieved **~10% performance improvement** in Snowflake workloads by optimizing SQL queries, pruning unnecessary joins, and applying warehouse tuning strategies.
- Integrated **Google Sheets API** to automate analytics output delivery, ensuring stakeholders accessed fresh data without manual effort.

### Program Manager & Big Data Engineer — Lightning Insights

*Jun 2018 – Mar 2024, Hyderabad*

- Led enterprise healthcare analytics PoCs including EHR pipelines, designing **multi-fact dimensional models** and building scalable ELT frameworks for clinical & operational insights.
- Migrated raw healthcare and IoT data into **Snowflake Cloud Data Warehouse**, integrating **nested JSON**, multi-source datasets, and AWS S3 ingestion pipelines.
- Built **high-performance ETL & ELT workflows** (Python + SQL + Snowflake) improving query efficiency and pipeline throughput across large-volume datasets.
- Developed **streaming data pipelines** for **vehicle scoring & warranty analytics**, processing telematics/sensor data for real-time reliability scoring and predictive warranty outcomes.

- Designed **real-time sensor data ingestion** from OLTP systems for industrial automation, enabling proactive monitoring and insights for manufacturing assets.
- Conducted performance tuning & cost optimization across Snowflake warehouses, **reducing compute usage and improving latency** for analytics queries.
- Served as a bridge between **engineering & stakeholders**, driving architecture decisions, sprint execution, and delivery timelines for Big Data initiatives.

#### Key Achievements:

- Delivered end-to-end architecture for **EHR analytics PoC**, accelerating client adoption and establishing reusable healthcare data models.

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### Healthcare Systems Analyst — SSSIHMS

*Feb 2012 – Mar 2018 | Puttaparthi, AP*

- Led digital transformation by implementing enterprise HIS covering OP, IP, ER, Labs, Radiology, OT, Cath Lab, MRD, and billing systems.
- Performed SQL-based data analysis for hospital operations and reporting.
- Designed and deployed internal web applications (HTML/JS/PHP) to automate clinical workflows.
- Conducted requirements analysis, system design, user training, and rollout of software enhancements.
- Managed Oracle server patches, deployments, and application support.

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### Technical Officer — SSSIHMS

*Jan 2000 – Feb 2012 | Bangalore, Karnataka*

- Supported Oracle, MySQL, SQL Server platforms, including configurations and connectivity.
- Delivered HIS deployment for a 300-bed hospital, configuring core modules and ICD-10 coding compliance.
- Built custom reports for clinicians and admin leadership.

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### EDUCATION

- **Master of Computer Applications (MCA)**  
Indira Gandhi National Open University, 2009
- **PG Diploma in Management Information Systems & Computer Applications**  
Osmania University
- **Bachelor of Commerce (Honors)**  
Sri Sathya Sai Institute of Higher Learning (SSSIHL)

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### ADDITIONAL STRENGTHS

- Strong healthcare domain knowledge
- Confident communicator & stakeholder interaction
- Systems thinker — blends technology, domain, and analytics