

HAMSIKA CHINTAKUNTLA

Data Analyst

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PROFESSIONAL SUMMARY

Data Analyst with 4+ years of experience delivering data-driven solutions across financial services and healthcare technology. Experienced in SQL, Python, Power BI, Tableau, and Advanced Excel for data analysis, ETL/ELT pipelines, dashboard development, KPI reporting, and business intelligence. Skilled in transforming complex datasets into actionable business insights through data validation, statistical analysis, trend analysis, and reporting automation. Familiar with Machine Learning, NLP, OpenAI API, LLM Integration, Prompt Engineering, Retrieval-Augmented Generation (RAG), and AI-powered analytics to support predictive decision-making and process improvement. Strong collaborator with experience partnering with cross-functional stakeholders to improve data quality, reporting accuracy, and operational efficiency.

TECHNICAL SKILLS

Programming Languages: Python (Pandas, NumPy), SQL
Data Analytics & Business Intelligence: SQL Query Optimization, CTEs, Window Functions, Joins, Subqueries, Stored Procedures, Power BI, DAX, Power Query, Power BI Service, Tableau, Calculated Fields, Parameters, LOD Expressions, Advanced Excel (Pivot Tables, VLOOKUP, XLOOKUP, Power Query, Macros), Dashboard Development, KPI Reporting, Business Intelligence (BI), Data Visualization, Statistical Analysis, Trend Analysis, Ad Hoc Analysis, Root Cause Analysis, Business Insights
Data Processing & ETL: ETL/ELT Pipelines, SSIS, Data Integration, Data Transformation, Workflow Automation, Data Cleaning, Data Validation, Data Reconciliation, Data Modeling, Reporting Automation
Databases & Data Warehousing: Microsoft SQL Server, PostgreSQL, MySQL, Oracle DB, Azure Synapse Analytics, Data Warehousing, Star Schema, Dimensional Modeling
Cloud Platforms: Microsoft Azure (Data Factory, Synapse), AWS (S3)
Machine Learning & AI: Scikit-learn, TensorFlow, Predictive Analytics, Machine Learning, Feature Engineering, Model Evaluation, Natural Language Processing (NLP), OpenAI API, LLM Integration, Prompt Engineering, Retrieval-Augmented Generation (RAG), Embeddings, Vector Databases (Pinecone), AI-Powered Analytics
AI Engineering Tools: LangChain, FastAPI, MLflow, Model Serving
Data Quality & Governance: Data Quality Frameworks, Data Governance, Data Integrity, Data Lineage, Great Expectations, PII Masking
Version Control & Collaboration: Git, GitHub, Jira, Confluence, Agile/Scrum Methodology
Soft Skills: Stakeholder Management, Cross-Functional Collaboration, Analytical Thinking, Problem Solving, Attention to Detail

PROFESSIONAL EXPERIENCE

Data Analyst Northern Trust	Sep 2025 – Present USA
- Developed interactive Power BI dashboards using DAX, Power Query, Power BI Service, and SQL Server to track portfolio performance and risk metrics, enabling faster executive decision-making across asset management teams. - Engineered automated ETL/ELT pipelines using SQL and Python to integrate, transform, and validate trade and client data from multiple sources, improving data quality, reporting automation, and reducing manual reporting effort by 40%. - Performed ad hoc analysis, trend analysis, and data reconciliation on large financial datasets using SQL and Excel, delivering actionable business insights while supporting compliance, audit reporting, and operational decision-making. - Partnered with business stakeholders to define KPIs and develop Business Intelligence dashboards, improving data accuracy, reporting consistency, and stakeholder visibility by 25%. - Optimized SQL queries, CTEs, Window Functions, Stored Procedures, and complex Joins, reducing report generation time from hours to minutes while improving operational efficiency for daily reporting cycles. - Automated recurring data validation checks using Python scripts and SQL logic, minimizing data discrepancies and strengthening reliability of financial reports by 30%.	
Data Analyst CitiusTech	Jan 2021 – July 2024 India
- Designed and maintained SQL-based reporting solutions for healthcare clients, using SQL Server and SSRS, improving clinical data reporting accuracy by 20%. - Developed interactive Tableau dashboards using Calculated Fields, Parameters, LOD Expressions, and KPI visualizations to visualize patient outcomes, operational metrics, and KPIs, enabling data-driven decision-making across clinical departments. - Migrated legacy reporting systems to Power BI using DAX, Power Query, and SQL, reducing report processing time by 35%. - Automated data extraction and transformation workflows using Python and SSIS, streamlining ETL processes and cutting manual effort by 30%. - Conducted trend analysis, ad hoc analysis, and root cause analysis on healthcare datasets using SQL and Excel to identify utilization patterns, cost drivers, and actionable business insights for client-facing analytics engagements. - Configured data quality frameworks, performed data validation, and supported data governance initiatives to improve data integrity, reporting accuracy, and reduce reporting errors by 25%. - Resolved recurring data discrepancies in claims and clinical datasets through root-cause analysis using SQL, improving downstream report reliability by 20%.	

EDUCATION

Master of Computer Science University of Central Missouri USA	Aug 2024 – May 2026
Bachelor of Computer Science Vaagdevi College OF Engineering, Telangana India	Sep 2019 – May 2023