

Vishal Chaudhary

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Summary

Data Analyst with **3 years** of experience in **SaaS** and business analytics environments, specializing in **SQL, Python, Tableau, and AWS**-based data workflows. Experienced in building executive dashboards, analyzing large-scale datasets, optimizing reporting processes, and translating complex data into actionable business insights. Skilled in **KPI development, exploratory data analysis, data visualization**, and stakeholder collaboration across product, finance, and operations teams. Strong foundation in analytics engineering concepts including **ETL pipelines, dbt, Snowflake, and Athena**, with experience supporting data-driven decision-making and operational improvements.

Education

Masters in Data Analytics (Grade 2:1) - *National College Of Ireland, Dublin, Ireland* Jan 2025 - Feb 2026
Bachelor of Computer Applications (Grade 2:1) - *MAHGU, India* Sep 2019 – May 2022

Work Experience

Technohunk Info Solutions, Uttar Pradesh, India

Data Analyst

April 2022 - September 2024

- Led analysis of large-scale product and financial datasets using SQL, Python, and **Athena** to query datasets stored in **S3**, improving reporting **efficiency by 25%** and enabling faster access to business-critical insights.
- Designed and delivered executive-level **Tableau** dashboards sourced from **Snowflake**, tracking SaaS KPIs (ARR, churn, retention, feature adoption), **across 6+ dashboards**, empowering finance, operations, and leadership teams to make data-driven strategic decisions.
- Drove exploratory data analysis (EDA) initiatives to uncover feature adoption gaps and revenue anomalies across **5+ product lines**, directly influencing **3 product** roadmap decisions and operational improvements.
- Applied machine learning techniques — including Random Forest, Logistic Regression, and K-Means Clustering — to build customer churn prediction and customer segmentation models **across 12,000+** customer records, **achieving 80%** model accuracy and contributing to a **12% reduction** in customer churn within three quarters, informing retention strategies and targeted marketing decisions.
- Built and maintained scalable, analytics-ready datasets using **SQL, dbt, and Glue** to orchestrate **ETL** pipelines ingesting raw data from **S3** into **Snowflake**, improving data quality and reducing manual data preparation **time by 20%**.
- Partnered with product, finance, and operations stakeholders to gather business requirements, define **15+ KPIs**, and translate data into actionable insights across 3 business functions.
- Responded to **ad hoc** data requests from cross-functional teams, providing rapid, actionable insights that informed strategic and operational decisions.
- Optimized **SQL** queries on **Snowflake** and **Athena**, improving data extraction processes to improve performance and reduce query **runtime by 35%**, cutting dashboard load times across key reporting workflows.
- **Standardized data definitions** and reporting frameworks across finance and operations teams, reducing **reporting errors by 40%** and saving approximately 3 hours per week in manual reconciliation across the analytics team.
- Managed analytics workflows in **Agile environments** using **Jira**; documented processes and data models in **Confluence** to enhance team collaboration and knowledge sharing.

(Python, Pandas, Scikit-learn, Matplotlib, Excel, SQL, Tableau, dbt, Amazon S3, Amazon Snowflake, Amazon Athena, AWS Glue, Jira, Confluence, Data Modelling, Data Transformation, Data Cleaning, Data Visualization, EDA)

Data Analyst Intern

November 2021- April 2022

- Assisted in **data cleaning, transformation**, and validation of raw datasets using **SQL** and **Excel** to support ongoing analytics projects.
- Conducted **preliminary exploratory data analysis** to **identify trends and anomalies**, supporting senior analysts in insight generation.
- Developed **reports and dashboards** in **Tableau** to track key business metrics and performance indicators.
- Wrote and **optimized SQL queries** to extract and analyze data from relational databases.
- Collaborated with team members in **Agile sprints**, **gaining hands-on experience** in business problem-solving and **data workflows**.

(Python, Pandas, Excel, SQL, Tableau, Jira, Confluence)

Projects

Diabetes Readmission Prediction – GitHub

- Built a machine learning model on **100k+** healthcare records using Python and SQL to predict high-risk patient readmissions, achieving **82% model accuracy**.
- Performed data cleaning, feature engineering, and exploratory analysis on datasets stored in S3 to identify key drivers impacting readmission risk.
- Developed analytical reports and visualizations to support patient risk analysis and operational decision-making.

(Python, Pandas, NumPy, Scikit-learn, SQL, AWS S3, AWS Athena, Matplotlib, Seaborn, Cognos Analytics)

E-Commerce Sales Order Analytics – GitHub

- Analyzed **500k+** e-commerce transactions using **SQL, Python, and AWS Athena** to identify revenue trends, customer purchasing behavior, and regional sales patterns.
- Built an interactive **Power BI** dashboard with KPI tracking and drill-down analysis for product performance and seasonal demand trends.
- Performed data transformation and modeling workflows on data stored in **Amazon S3** to support reporting accuracy and inventory optimization insights.

(SQL, Python, Pandas, Power BI, DAX, Power Query, AWS S3, AWS Athena, Excel, Data Visualization)

Skills

Business Intelligence: Power BI, Tableau, Cognos Analytics

Programming: Python, SQL, R

Python Libraries: Pandas, NumPy, Matplotlib, Seaborn, Plotly, Scikit-learn

Databases: PostgreSQL, MySQL, Oracle, MongoDB

AWS Cloud: QuickSight, RDS, IAM, CloudWatch, Aurora, Redshift Spectrum

Methodologies: KPI Design, Data Validation, Data Wrangling, Data Storytelling, Interactive Reports, Query Optimization, Data Normalization, Data Governance

Tools: Git/GitHub, Excel, Power Query, Excel Pivot Tables, APIs, Databricks

Soft Skills: Data Communication, Problem Solving, Quick Learner, Attention to detail, Curiosity

Certifications

- [Data Analysis with Python - IBM](#)
- [Data Visualization & Dashboard Essentials - IBM](#)
- [SQL and Relational Databases 101 - IBM](#)
- [Python 101 for Data Science - IBM](#)

Achievements

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- Volunteer at Achal Welfare Foundation: **Mentored new volunteers** and **organized resource distribution** (food, clothing, educational materials) for underserved communities. (2023 – 2024)
 - **National Volleyball Champion:** Secured **Gold (2017)** and **Bronze (2021)** in national tournaments.