

Vishal Chaudhary

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Summary

Data Analyst with **3 years** of experience delivering actionable insights in **SaaS** and **data-driven environments**. Expertise in **SQL**, **Python**, and **Tableau** to analyze large-scale datasets, build executive **dashboards**, and **improve reporting efficiency**. Proven ability to translate complex data into business insights, enabling stakeholders across **product, finance, and operations** to make informed, data-driven decisions.

Education

National College Of Ireland

Dublin, Ireland

- Masters in Data Analytics (Grade 2:1)

January 2025 - February 2026

Maharaja Agrasen Himalayan Garhwal University, India

- Bachelor of Computer Applications (Grade 2:1)

September 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** and **Python**, improving reporting efficiency by **25%** and enabling faster access to business-critical insights.
- Designed and delivered **executive-level Tableau dashboards** tracking **SaaS KPIs (ARR, churn, retention, feature adoption)**, empowering leadership and cross-functional teams to make data-driven strategic decisions.
- Drove **exploratory data analysis (EDA)** initiatives to uncover user behavior trends, performance gaps, and operational inefficiencies, influencing product and business improvements.
- Built and maintained scalable, analytics-ready datasets using **SQL** and **dbt**, improving data quality and reducing manual data preparation time **by 20%**.
- **Partnered** with **product, finance, and operations stakeholders** to gather business requirements, define KPIs, and translate data into actionable insights.
- **Optimized SQL queries** and **data extraction processes** to improve performance and **reduce reporting** latency across key dashboards.
- Standardized data definitions and reporting frameworks, improving consistency and clarity in decision-making across teams.
- **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, 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 **basic 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: https://github.com/chaudhary521/Hospital-Readmissions-of-Diabetic-Patients](https://github.com/chaudhary521/Hospital-Readmissions-of-Diabetic-Patients)

- Built a machine learning model on **100k+** healthcare records to predict high-risk patient readmissions using **Python**, achieving **82% prediction accuracy**.
- Performed **feature engineering** and **model optimization** to identify key risk drivers influencing readmissions.
- Generated actionable insights to support improved patient management and reduce readmission risk. (**Python, Pandas, Scikit-learn, Matplotlib, Cognos Analytics**)

E-Commerce Sales Order Analytics – [GitHub: https://github.com/chaudhary521/E-commerce-Sales-Order-Analytics](https://github.com/chaudhary521/E-commerce-Sales-Order-Analytics)

- Analyzed **500k+** transactions using **SQL** and **Python**, identifying revenue trends and reducing analysis time by **30%**.
- Developed an interactive **Power BI dashboard** to track top products, peak sales periods, and geographic performance.
- Delivered insights to support inventory optimization and reduce return-related losses. (**SQL, Python, Power BI, Excel**)

HR Dashboard Analytics – [GitHub: https://github.com/chaudhary521/HR-Dashboard-Analytics](https://github.com/chaudhary521/HR-Dashboard-Analytics)

- Built an interactive Dashboard in **Tableau** analyzing attrition patterns across **1,470 employees**, identifying that the Sales department accounted for **56%** of total employee turnover
- Performed workforce segmentation analysis across gender, age groups, education levels, and job roles to uncover a **16.12% company-wide attrition rate** and highlight high-risk employee segments
- Designed and delivered a multi-view Tableau dashboard with **KPI cards, pie charts, bar charts, and satisfaction heat maps** to support HR decision-making on retention strategy (**Tableau, SQL, Python (Pandas, NumPy)**)

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

ETL & Data Engineering: dbt, Databricks, APIs, JSON

Cloud: AWS, Azure

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

Tools: Git/GitHub, Jira, Confluence, Excel, Parquet, Power Query, Excel Pivot Tables

Soft Skills: Data Communication, Problem Solving, Business Understanding, 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

- 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.