

# VAIBHAV VERMA

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## Professional Summary

Results-driven Data Analyst and MCA candidate with proven hands-on experience delivering end-to-end analytics solutions across finance, healthcare, and retail domains. Proficient in SQL, Python, Power BI, Tableau, and Google BigQuery with a track record of analyzing 500K+ record datasets to uncover actionable business insights. Demonstrated ability to build scalable ETL pipelines, interactive dashboards, and predictive models that improve operational efficiency and support data-driven decision-making. Seeking a challenging Data Analyst role to drive measurable business impact.

## Technical Skills

**Languages:** Python (Pandas, NumPy, Matplotlib, Seaborn), SQL  
**Databases:** PostgreSQL, MySQL, Google BigQuery  
**BI Visualization:** Power BI (DAX, Power Query), Tableau, Microsoft Excel  
**Developer Tools:** Git, Docker, REST APIs, Jupyter Notebook, VS Code  
**Data Analytics:** EDA, Statistical Analysis, Predictive Modeling, Data Wrangling  
**Data Engineering:** ETL Pipelines, Query Optimization, Data Modeling, Cloud Data Warehousing

## Soft Skills

- Stakeholder Communication
- Business Storytelling
- Team Collaboration
- Problem Solving
- Critical Thinking
- Attention to Detail

## Projects

### Customer Churn Analysis Pipeline | Python - SQL - Power BI - ETL

- Architected a full end-to-end analytics pipeline — data ingestion, cleaning, SQL integration, and BI reporting — reducing manual reporting effort by **50%**.
- Analyzed **10,000+** customer records to identify key churn drivers and segment high-risk customers, enabling targeted retention strategy development.
- Built Power BI dashboards with **15+** KPIs tracking churn rate, customer lifetime value, and retention metrics, improving executive reporting visibility.

### Healthcare Analytics Dashboard | Power BI - SQL - Healthcare Metrics

- Developed a multi-department analytics dashboard tracking **25+** hospital KPIs including patient wait times, bed occupancy rates, and operational efficiency scores.
- Conducted SQL-based root cause analysis across departments, identifying 3 major performance bottlenecks that reduced average patient wait time by **15%**.

### Credit Card Financial Dashboard | SQL - Power BI - ETL Automation

- Built automated ETL pipelines ingesting and transforming credit card transaction data for real-time financial performance monitoring.
- Optimized SQL queries and automated reporting workflows, improving reporting efficiency by **35%** and reducing data latency.

## Virtual Experience Programs

### GenAI Data Analytics Simulation — Tata iQ (Forage)

Mar 2026

- Conducted EDA on financial datasets to identify anomalies and early-stage delinquency risk indicators, supporting credit risk management strategy.
- Developed and evaluated predictive models (Logistic Regression, Decision Trees) using accuracy, F1-score, and AUC-ROC metrics; achieved **85%+ model accuracy**.
- Presented data-driven recommendations to senior stakeholders, demonstrating strong business communication and analytical storytelling skills.

### Data Analytics Consulting Simulation — Deloitte Australia (Forage)

Jan 2025 – Feb 2025

- Analyzed telemetry datasets containing **10,000+** rows across multiple systems using forensic data analysis techniques to detect anomalies and system failures.
- Built dashboards and client-ready reports communicating complex technical findings to non-technical stakeholders, simulating a real consulting engagement.

## Education

### Master of Computer Applications (MCA)

KR Mangalam University, Gurugram, Haryana

2025 – Present

### Bachelor of Computer Applications (BCA)

Maharshi Dayanand University, Rohtak, Haryana

2022 – 2025

## Certifications

- Google Data Analytics Professional Certificate — Google (Coursera)
- BigQuery for Data Analysts — Google Cloud
- Data Science Certification — Simplilearn
- Data Analytics Training — Certificate of Completion

## Key Achievements

- Delivered **6+** end-to-end data analytics projects spanning finance, healthcare, and retail, demonstrating full-stack analytics capability from raw data to executive insights.
- Maintained **99% data accuracy** across all analytics projects through rigorous data validation, cleaning protocols, and automated quality checks.
- Reduced reporting time by up to **70%** across multiple projects through dashboard automation, SQL optimization, and ETL pipeline development.
- Recognized in **2 industry simulations** (Tata iQ, Deloitte Australia) for delivering consultant-quality data analysis and stakeholder presentations.