

Virag Jain

Data Analyst — Business Analyst — Entry-Level Data Scientist

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LinkedIn — GitHub

EDUCATION

VIT Bhopal University

2022 - 2026

B.Tech in Computer Science and Engineering, Specialization in Cloud Computing and Automation

CGPA: 8.2

- **Relevant Coursework:** Cloud Computing Architecture, DevOps and Automation, Data Structures and Algorithms, Database Management Systems, Machine Learning, Statistical Analysis, Big Data Analytics, Distributed Systems, Software Engineering, Computer Networks, Data Mining and Warehousing, Business Intelligence

TECHNICAL SKILLS

- **Programming**
Tools: Python, SQL, R, Java, Git, Excel, Power BI, Tableau
- **Libraries**
Frameworks: Pandas, NumPy, Scikit-learn, Matplotlib, Flask
- **Databases**
Platforms: MySQL, MongoDB, AWS, GCP, Hadoop, Spark

WORK EXPERIENCE

Data Science Intern

Feb 2025 - March 2025

Unified Mentor

- Conducted comprehensive analysis on tobacco use and mortality data using Python (Pandas, NumPy) and statistical modeling techniques
- Developed predictive models for retail sales forecasting using machine learning algorithms, achieving 82% R-squared accuracy
- Performed exploratory data analysis on 10K+ grocery sales records, identifying key patterns and trends in consumer behavior
- Created interactive dashboards and visualizations using Power BI and Matplotlib for stakeholder reporting and decision-making
- Built end-to-end data pipelines for processing healthcare and retail datasets, implementing ETL processes for data quality assurance

Data Analytics Intern (Virtual)

April 2025 - May 2025

Deloitte

- Performed comprehensive data analysis on enterprise datasets using SQL and Python for business intelligence solutions
- Developed interactive Power BI and Tableau models to extract actionable insights from complex business data
- Utilized advanced Excel and statistical modeling techniques to support strategic business decisions

PROJECT WORK

MovieMate - ML Recommendation System

Feb 2025 - Mar 2025

- Built machine learning movie recommendation system using collaborative and content-based filtering with Python and Scikit-learn
- Developed Flask web interface for real-time personalized movie suggestions based on user preferences
- Processed dataset of 100K+ movies and ratings, achieving high recommendation accuracy and user engagement
- Integrated Groq API to dynamically fetch metadata for unseen movies, extending recommendation scope
- Engineered explainable recommendations using actor/director/genre tagging and similarity logic

Supermart Grocery Sales - Retail Analytics

Feb 2025 - Mar 2025

- Analyzed 10K+ grocery sales records using Python (Pandas, NumPy) and performed comprehensive EDA to identify sales patterns
- Built predictive models with Linear Regression and feature engineering, achieving 82% R-squared for sales forecasting
- Created interactive visualizations using Matplotlib and Seaborn, revealing key insights like 15% sales contribution from top category
- Implemented automated data pipelines and dashboards for continuous monitoring and business decision support
- Highlighted pricing impact and seasonal trends through statistical correlation and time series analysis

CERTIFICATIONS & TRAINING

- Google Bits and Bytes of Computer Networking Dec 2023
- Accenture Artificial Intelligence Aug 2024
- Google Data Analytics Professional Certificate Nov 2024
- IBM Devops and Design Thinking May 2025
- IBM Agile Methodologies May 2025

LEADERSHIP AND CAMPUS ENGAGEMENT

Vice President, Cloud Zone Club, VIT Bhopal University

Oct 2023 - July 2024

- Led the Cloud Zone Club as Vice President, organizing 12 technical sessions with an average of 50 participants per session
- Fostered awareness about iOS development, cloud technologies, and DevOps through comprehensive technical workshops
- Built strong community engagement with consistent participation and knowledge sharing initiatives

Core Member, D2C Igniters Club, VIT Bhopal University

Jan 2024 - Jan 2025

- Spearheaded organization of three major technology showcases, attracting over 500 students across university
- Ignited entrepreneurial spirits through interactive workshops that fostered creativity and innovation in tech development