

Jhanvi Varma

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PROFESSIONAL SUMMARY

Data Analyst with a Master's degree in Data Science and strong expertise in SQL-driven reporting, ETL validation, and business intelligence dashboards. Experienced in transforming complex institutional datasets into decision-ready insights using SQL Server, Snowflake, Power BI, and Python. Proven ability to improve reporting accuracy, automate workflows, and deliver compliance-based analytics.

EDUCATION

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| Fairfield University , Fairfield, CT | Dec 2025 |
| Master of Science in Data Science | |
| GPA: 3.67 | |
| University of Mumbai , Mumbai, India | May 2023 |
| Bachelor of Science in Computer Science | |
| GPA: 4.00 | |

TECHNICAL SKILLS

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| Languages: | SQL, Python, R |
| Data Tools: | Power BI, Tableau, Excel, Snowflake, SQL Server (SSMS) |
| Databases: | PostgreSQL, MySQL, SQL Server |
| Machine Learning: | Scikit-learn, Feature Engineering, Model Evaluation, SMOTE |
| Other: | ETL Validation, Data Cleaning, KPI Reporting, Git, Linux |

PROFESSIONAL EXPERIENCE

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| Data Analytics & Reporting Intern Fairfield University, CT | Sep 2025 – Present |
| • Built and maintained structured datasets in SQL Server (SSMS), supporting 5+ internal reporting workflows. | |
| • Cleaned and transformed 50,000+ records, improving reporting accuracy by 18%. | |
| • Performed ETL validation and data quality checks across multiple systems, reducing inconsistencies by 25%. | |
| • Developed 6+ Power BI dashboards tracking KPIs and operational metrics, improving stakeholder visibility. | |
| • Delivered state-level compliance reporting by grouping and analyzing student demographic data (ethnicity, age, location). | |
| Teaching Assistant – Theory of Computing Fairfield University | Jan 2025 – May 2025 |
| • Evaluated 30+ programming assignments weekly, improving grading efficiency by 20%. | |
| • Reviewed and debugged Python and SQL code, reinforcing best practices and structured logic. | |
| Cybersecurity Bootcamp – Teaching Assistant | May 2024 – Sep 2024 |
| • Guided 100+ learners through Linux, Wireshark, and OWASP labs. | |
| • Designed structured lab documentation improving learning clarity and engagement. | |

PROJECTS

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| Property Sale Prediction Model (Capstone Project Manager) | |
| • Processed and analyzed 50,000+ real estate records using Python and Pandas. | |
| • Engineered features and applied SMOTE to address class imbalance, improving model recall by 15%. | |
| • Trained Logistic Regression and Random Forest models using Scikit-learn. | |
| • Developed an interactive Streamlit dashboard to identify high-probability sellers for targeted outreach. | |
| Skin Undertone Analyzer – Computer Vision Project | |
| • Designed HSV-based image segmentation pipeline using OpenCV and NumPy. | |
| • Engineered interpretable heuristics for undertone classification and olive detection. | |
| • Improved lighting robustness through dual-image feature fusion. | |
| • Deployed real-time inference interface using Streamlit. | |
| RFM Customer Segmentation (Power BI Dashboard) | |
| • Implemented Recency, Frequency, Monetary scoring for customer segmentation. | |
| • Built DAX measures and KPI dashboards analyzing revenue share and retention patterns. | |
| • Delivered dynamic insights for business growth and targeting strategies. | |

CERTIFICATIONS

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| IBM – Exploratory Data Analysis for Machine Learning |
| IBM – Python for Data Science, AI & Development |
| Microsoft – Excel and Copilot Fundamentals |