

Vaishnavi Mujmer

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EDUCATION

Integrated Master of Technology (Computer Science)

Vellore Institute of Technology

2022 – 2027

CGPA: 8.68/10

Relevant Coursework: Information Security, Computer Networks, Database Management Systems, Operating Systems, Cryptography.

WORK EXPERIENCE

Data Analyst Intern

Inkgraph Techno Pvt. Ltd.

Oct 2025 – Dec 2025

- Engineered automated Python-based data validation frameworks and ETL pipelines to cleanse 50,000+ records, ensuring strict **data integrity** and adherence to **compliance standards**.
- Designed and deployed interactive Tableau dashboards, collaborating with cross-functional teams to monitor key performance indicators and support internal operations.
- Developed automated scripts for anomaly detection (outliers), improving the reliability of reporting infrastructure and reducing manual risk in data processing.
- Optimized SQL queries and database schemas, enhancing system performance and scalability for client-facing analytics products.

PROJECTS

Heart Disease Prediction & Risk Analysis

Tech stack: Python, Scikit-learn, Pandas, XGBoost

- Developed a binary classification model to assist in medical **risk analysis**, optimizing for Recall to minimize critical false negatives in diagnosis.
- Conducted extensive validation on sensitive medical datasets, ensuring robust handling of features (cholesterol, BP) to maintain model accuracy and reliability.
- Achieved 92% accuracy via GridSearchCV, utilizing advanced feature engineering to identify key risk factors associated with patient health.

Customer Segmentation & Demand Forecasting

Tech stack: R, Tidyverse, ggplot2, Statistical Analysis

- Analyzed 1 million+ records to identify behavioral patterns, utilizing advanced statistical methods to translate complex data into actionable business strategies.
- Validated hypotheses using statistical testing (ANOVA, T-tests), providing data-backed recommendations to support business goals and membership conversion.

SKILLS

- Languages:** Python, R, SQL, Java, Bash Scripting
- IT Security Fundamentals:** Network Protocols (TCP/IP), Linux (System Administration Security), Data Privacy Principles, Risk Assessment Basics
- Data Analysis:** Pandas, NumPy, Tableau, Power BI, Scikit-learn, Statistical Modeling
- Developer Tools:** Git, Docker, Linux, Google BigQuery, PostgreSQL

CERTIFICATIONS

- Google Advanced Data Analytics Professional Certificate** – Coursera
- Machine Learning (ELITE Certification)** – NPTEL

11/2025

10/2024