Vaishnavi Mujmer

mujmervaishnavi@gmail.com | +91 81039 08421 | LinkedIn : imvaishnavi | GitHub : im-vaishnavi

PROFILE SUMMARY

Results-driven Computer Science student specializing in Computation and Data Science, with hands-on experience in Python, R, SQL, and Tableau. Skilled in transforming raw data into actionable business insights through analysis, modeling, and visualization. Passionate about applying AI and analytics to build scalable, real-world solutions in dynamic team environments.

EDUCATION

Integrated Master of Technology — **2022 – 2027**

VIT Bhopal University, Madhya Pradesh

Coursework: Focused on machine learning, data analytics, and algorithm design. Applied statistical and programming skills to projects that involve real-world data analysis and predictive modeling.

CGPA : 8.7/10

TECHNICAL SKILLS

- **Programming and Databases** : Python, R, Java, SQL, BigQuery
- **Data Analytics and visualization** : Tableau, Power BI, Excel, Google Sheets
- **Machine Learning and AI** : NumPy, Pandas, Scikit-learn
- **Core Competencies** : Data Cleaning, Predictive Modeling, Statistical Analysis, Dashboard Development

PROJECTS

Cyclistic Bike-Share Case Study

Tech stack : R, Excel, Tableau, tidyverse, ggplot2

- 12 months of bike-share data was analyzed to compare the usage patterns of casual riders and members.
- Used Excel and R for data cleaning, processing, and identifying key behavioral trends.
- Visualized insights in Tableau to support strategies aimed at boosting membership conversions

Heart Disease Prediction Model

Tech stack : Python, Scikit-learn, Pandas, NumPy, Matplotlib, Logistic Regression, Random Forest, SVM, Gradient Boosting

- Developed a predictive machine learning model using the UCI Heart Disease dataset (14 clinical characteristics, 300+ patient records).
- Applied data preprocessing, feature selection, and balancing techniques to improve model reliability.
- Implemented and compared multiple algorithms (Logistic Regression, Random Forest, SVM, Gradient Boosting) to identify the best-performing model.
- Achieved 90 percent accuracy with Random Forest, outperforming baseline models.
- Delivered a model capable of supporting early diagnosis and preventive healthcare interventions.

CERTIFICATIONS

- **Google Data Analytics Professional Certificate** – Coursera **12/2024 – 07/2025**
- **Introduction to Machine Learning** – NPTEL, IIT Madras **07/2024 – 10/2024**