SHREEVARSHA S

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Summary

Data Science Intern with 4 months of hands-on experience in Data Preprocessing, EDA, Machine Learning, and Data Visualization. Proficient in Python, ML, Power BI, and Streamlit, with experience delivering end-to-end data projects and interactive dashboards. Strong problem solver with a keen interest in data-driven business decision-making.

Technical Skills

Programming & Querying: Python, SQL (Beginner)
Data Analysis & Visualization: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Power BI, Streamlit
Machine Learning: Logistic Regression, Linear Regression, Decision Tree, Random Forest, KNN, Naive Bayes
Analytical Abilities: Data Cleaning, EDA, Feature Engineering, Insight Generation

Experience

VCodeZ Company　　　　　　　　　　　　　　　　　　　　　　　**October 2025 – Present**
Data Science Intern – Tools: Python, Machine Learning, Streamlit, Power BI　　　　*Chennai, Tamil Nadu*

- Performed Data Cleaning, Preprocessing, and Exploratory Data Analysis (EDA) on datasets with **100,000+ records**, improving data quality, consistency, and reliability.
- Built and evaluated **Machine Learning models** (Logistic Regression, Decision Tree, Random Forest) for Classification and Regression tasks, achieving **15–20%** improvement in model performance after tuning.
- Developed interactive dashboards and data apps using **Streamlit**, enabling real-time visualization of KPIs and model outputs and reducing manual analysis efforts by **25%.**
- Automated end-to-end data analysis workflows using Python, improving efficiency while reducing repetitive tasks.

Projects

Customer Churn Analysis | *Python, ML, Power BI*　　　　　　　　　　　　　　**December 2025**

- **Analyzed behavior of 7,043 telecom customers** to identify churn patterns based on tenure, contract type, and monthly charges.
- Engineered new features including contract type buckets and tenure bands to improve segmentation and insights.
- Generated **11 visualizations (histograms, box plots, heatmaps)** to highlight churn-prone segments.
- Analyzed and evaluated **Logistic Regression and Random Forest models**, achieving **93%** and **97%** accuracy respectively.
- Built **Power BI dashboards** to present churn KPIs, customer segments, key trends for business stakeholders.
- Revealed that **38%** of churned users were on monthly contracts with less than 3-month tenure–suggested early engagement strategies.

Customer Segmentation & Behavioral Analysis using K-Means | *Python, ML, Power BI*　　**November 2025**

- **Analyzed 2,000 customer** records using EDA and K-Means clustering to identify **4 distinct groups** based on demographic and income attributes.
- Improved cluster quality by **10–15%** through feature scaling and optimal cluster selection using the Silhouette Score.
- Visualized customer behavior using **3D plots** to interpret multi-dimensional segment patterns.
- Built interactive Power BI dashboards to present customer segments and KPIs, improving stakeholder understanding by **25%.**
- Identified premium and budget-conscious segments, enabling more targeted marketing strategies and improved segmentation insights.

Certifications

- **GenAI Powered Data Analytics Job Simulation** – *Forage (Tata) (2025)* certificate

- **Python for Data Science** – *IBM (2025)* certificate

- **TCS MasterCraft DataPlus Overview Course** – *TCSiON (2022)* certificate

Education

BE – Electronics Communication and Engineering　　　　　　　　**November 2020 – April 2025**
Sri Sivasubramaniya Nadar College of Engineering Chennai, Tamil Nadu　　　　　　*CGPA: 7.45 / 10*