

Tushar Chaudhary

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EDUCATION

JSS Academy of Technical Education

Bachelor of Technology

7.1 CGPA

2022 - 2026

Modern Era Public School

12th Class

96.4%

2020 - 2021

PROJECTS

Customer Churn Prediction | *Python, Pandas, Scikit-learn, Seaborn*

Oct. 2024 - Nov. 2024

- Cleaned and explored a Telco dataset with 5,000+ entries to identify customer churn behavior.
- Built logistic regression model achieving 82% accuracy.
- Provided business insights to reduce churn through retention strategy simulations.

Traffic Accident Analysis | *Python GeoPandas, Seaborn*

Oct. 2024 - Nov. 2024

- Analyzed traffic accident data using geospatial clustering to map high-risk zones and visualize hotspots on interactive maps.
- Performed exploratory data analysis (EDA) to identify trends based on time of day, weather conditions, vehicle types, and location. Used **heatmaps and geospatial mapping** (Folium/GeoPandas) to visualize high-accident zones and accident density across regions. Applied **clustering algorithms** (K-Means / DBSCAN) to detect accident-prone zones and classify risk areas. .

Market Basket Analysis | *Python, Pandas, SQL*

Dec. 2024 - Jan. 2025

- Applied Market Basket Analysis using Apriori algorithm to suggest product bundles with high lift (>2.0), improving cross-sell strategies.
- Applied **Apriori algorithm** to generate association rules based on support, confidence, and lift metrics.
- Discovered high-lift product combinations (e.g., {Milk, Bread} {Butter}) to recommend product bundling strategies.

TECHNICAL SKILLS

Programming & Analytics : CPP, Python, C, SQL, Excel

Libraries : Pandas, Numpy, Matplotlib, Seaborn, ScikitLearn

Databases: MySQL, Jupyter, Google Collab

Tools: Git, Github, VS Code, PowerBI, Tableau

ACHIEVEMENTS

- Completed Google Data Analytics Professional Certificate with 90 percent+ score.
- Ranked in top 15 percent on Kaggle's Python micro-courses leaderboard.
- Scored 8.5/10 GPA in Data Structures and Probability Statistics.
- Awarded "Best Project Presentation" for Sales Dashboard Analysis in fifth semester review.