Vignesh P

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ABOUT

Third-year Computer Science student with a strong foundation in Python, SQL, machine learning, and data visualization. Experienced in developing real-world data science solutions through hands-on projects involving statistical analysis, predictive modeling, and interactive dashboards. Currently pursuing IBM's Data Science Professional Certificate and eager to apply analytical skills in internship roles within data science or analytics teams.

EDUCATION

SRM Institute of Science and Technology June 2023 – May 2027

- B.Tech in Computer Science and Engineering (CSE)
- CGPA: 8.15 (As of 4th Semester)

EXPERIENCE

Data Science Projects July 2025 - Present

- Developed ML models and dashboards for sales, churn, and fraud scenarios.
- Hands-on with real datasets, APIs, SQL queries, and full analytics lifecycle.

Certification

IBM Data Science Professional Certificate - Coursera (On Going)
Programming for Everybody - Coursera

Python Data Structures - Coursera

Understanding and Visualizing Data with Python - Coursera

SKILLS

Languages & Tools: Python, SQL, Java (Basic), Git, Jupyter, Kaggle

Data Analysis: Pandas, NumPy, Statistical Analysis

Machine Learning: Scikit-learn, TensorFlow

Data Visualization: Tableau, Matplotlib, Seaborn

PROJECTS

Superstore Sales Analysis GitHub Repo

- Analyzed sales data to uncover trends and optimize inventory using Pandas, Matplotlib, and Tableau.
- Built dashboards and SQL queries that revealed potential 5% reduction in stockouts.

Customer Churn Analysis GitHub Repo

- Built ML model with 85% accuracy to predict customer churn, using Scikit-learn + data preprocessing pipeline.
- Enabled data-driven strategies for a 15% improvement in retention targeting.

Fraud Detection in Financial Transactions GitHub Repo

- Designed a fraud classification model using Logistic Regression and Decision Trees.
- Reduced false positives through hyperparameter tuning and feature engineering.

Accident Alert System – *(Project Completed)*

- Hardware project using Arduino, C++ to detect accidents and trigger alerts in real-time.