PAVITHRA R.

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Objective

Detail-oriented and passionate Data Scientist with hands-on experience in statistical modeling, machine learning, and data visualization. Adept at converting raw data into actionable insights that support business strategy. Seeking a challenging role to apply my data science skills and contribute to innovative solutions.

Skills

- Programming: Python (NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn), SQL
- Machine Learning: Supervised & Unsupervised models, Model Evaluation, Feature Engineering
- Deep Learning: TensorFlow, Keras
- Data Visualization: Tableau, Power BI, Plotly
- Data Handling: ETL, Data Cleaning, Preprocessing
- Tools: Jupyter, VS Code, Git, Google Colab
- Cloud: AWS S3, Google Colab (GCP Basics)

Projects

1. Customer Churn Prediction

- Built a classification model using Scikit-learn to predict customer churn.
- Achieved 92% accuracy using Random Forest and hyperparameter tuning.
- Visualized key churn indicators using Seaborn and Matplotlib.

2. Movie Recommendation System

- Developed a content-based recommendation engine using TF-IDF and cosine similarity.
- Implemented using Python, Pandas, and Scikit-learn.

3. Resume Ranking System using NLP & BERT

- Created a Flask-based app to rank resumes against job descriptions using BERT embeddings.
- Tools used: NLTK, SentenceTransformers, Pandas, Flask.

Education

M.Sc. Data Science - Anna University, Chennai (2024 - 2026)

B.Sc. Computer Science - University of Madras (2021 - 2024)

Certifications

- IBM Data Science Professional Certificate (Coursera)
- Python for Data Science (NPTEL)
- Machine Learning A-Z (Udemy)

Internships

Data Science Intern - Cognifyz Technologies (Remote)

- Worked on real-time datasets to predict sales using Linear Regression.
- Created reports and dashboards to present findings.

Soft Skills

Problem Solving | Communication | Team Collaboration | Analytical Thinking

Languages

English - Fluent | Tamil - Native | Hindi - Intermediate

References available upon request