VIKYATH SHETTY

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EDUCATION

- **Sir M. Visvesvaraya Institute of Technology** 2019-2023
  BE in Computer Science and Engineering
  CGPA - 8.14

EXPERIENCE

Junior Data Science Engineer | Technomers MAR 2024 - PRESENT

- Implemented machine learning algorithms such as Logistic Regression, Decision Tree, Random Forest, SVM, KNN, K-Means, and Hierarchical Clustering across diverse datasets. Deployed supervised and unsupervised learning models using Python frameworks, reducing feature engineering time by 30% and enhancing classification performance by 20%.
- Applied diverse machine learning algorithms and advanced data visualization techniques for employee attrition analysis, ensuring 95% data accuracy through thorough data preprocessing and cleaning, and identifying key factors contributing to turnover.
- Analyzed employee attrition trends, uncovering underlying causes of turnover and developing strategies to reduce it. Additionally, projected a 25% sales improvement over the next three years, providing actionable insights to enhance workforce retention and drive business growth.
- Developed a recommendation system using NLP techniques to suggest similar products based on user requirements, improving personalization and increasing user engagement by 25%, while implementing real-time tracking for product deliveries and optimizing recommendations from the nearest store during delivery, increasing sales from nearby stores by 20%.

PROJECTS

Movie Recommendation System AUG 2024 – SEP 2024

- Built an unsupervised movie recommendation system using Natural Language Processing (NLP) techniques, including Bag of Words and cosine similarity, to analyze 5,000+ movie descriptions, achieving a 30% reduction in search time for accurate recommendations.
- Deployed the application using Flask, creating a user-friendly web interface that allows users to input a movie name and receive five similar movie suggestions.

Banking Domain FEB 2024 – MAR 2024

- Developed a project to detect fraudulent transactions and clean ATM transaction data by integrating masked data from multiple Excel files, creating a robust dataset with ~200,000 rows and 31 columns to enhance data integrity and diversity.
- Implemented Logistic Regression, Decision Tree, Random Forest, SVM, Bernoulli Naïve Bayes, and Voting Classifier to evaluate performance, achieving 98% accuracy.

SKILLS

- Programming Languages - Python, SQL
- Data Science - Statistical Analysis, Machine Learning
- Databases - SQL Server, MongoDB
- Data Analysis - Power BI, Excel
- Operating Systems - Windows, Linux/Unix
- Tools - PyCharm, Jupyter Notebook, Git, GitHub

CERTIFICATIONS

- AI For Everyone - Coursera
- Data Science and AI Certificate - IBM
- Python , Statistics and Machine Learning – Learnbay