SANJAY SHRISH S

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LinkedIn LeetCode Profile

Education

BMS Institute Of Technology And Management Avalahalli, Bangalore
Bachelors of Engineering in Computer Science and Engineering Sept 2023 - Sept 2027
Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks, Digital Design and Computer Organization, Computer Architecture, and Software Engineering.
CGPA – 8.57

MES Kishore Kendra PU College Bengaluru, India
Pre-University College Jul 2021 - March 2022
Percentage – 86

Technical Skills and Projects

Programming: Python, Java, C, HTML/CSS
Database Management: MySQL
UI/UX & Design: Figma, Canva
Tools & Platforms: Git, Linux, Ubuntu, Google Colab, Jupyter Notebook
Machine Learning & Data Science: NumPy, Pandas, Matplotlib, SciPy, Regression (Linear, Multiple, Polynomial, Logistic), Classification, Clustering, Reinforcement Learning
Data Analysis: Data Cleaning, Feature Engineering, Data Visualization, Exploratory Data Analysis (EDA)
Natural Language Processing (NLP): Text Preprocessing, Tokenization, Sentiment Analysis
Association Rule Learning: Apriori Algorithm, Market Basket Analysis
Deep Learning: Artificial Neural Networks (ANN), Convolutional Neural Networks (CNN)

Market Basket Analysis – Used Apriori algorithm for association rule mining June 2025 - July 2025

- Developed a **Market Basket Analysis model** using the **Apriori algorithm** to identify frequent item sets and uncover relationships between products in large transactional datasets. Applied data preprocessing and statistical measures such as **support, confidence, and lift** to generate meaningful association rules for better business insights.
- Performed comprehensive analysis of customer purchase patterns to discover product correlations and buying trends.
- Utilized the findings to improve **product recommendations**, optimize **store layouts**, and support **data-driven marketing strategies** for enhanced sales performance.

Sentiment Analysis – Built an NLP model for text classification Aug 2025 - Sept 2025

- Built a **Sentiment Analysis model** using **Natural Language Processing (NLP)** techniques to classify text data into positive, negative, and neutral sentiments.
- Implemented preprocessing steps such as **tokenization, stopword removal, and lemmatization**, and used machine learning algorithms for accurate sentiment prediction.
- Analyzed **social media and review datasets** to extract user opinions and emotional tones. The insights were utilized to understand **customer feedback**, improve **brand perception analysis**, and support **data-driven decision-making**.

Breast Cancer detection using Logistic Regression May 2024 – June 2025

- Developed a **Breast Cancer Detection model** using **Logistic Regression** to classify tumors as malignant or benign based on clinical features from medical datasets.
- Performed **data preprocessing, feature scaling, and model evaluation** using metrics such as accuracy, precision, recall, and F1-score to ensure reliable predictions.
- Utilized **supervised machine learning techniques** to analyze key medical attributes and identify patterns indicating potential cancer risk.
- The model provided a **data-driven diagnostic aid**, demonstrating high accuracy and interpretability for **early disease detection and prevention**.

Certifications

- **Machine Learning A–Z: AI, Python & R + ChatGPT Prize [2025] – Udemy | 2025**
- **Artificial Intelligence Fundamentals – IBM SkillsBuild | 2025**
- **Google Cybersecurity Professional Certificate** – *Google / Coursera*