SREEKANTH S

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EDUCATION

M.Sc Artificial Intelligence & Machine Learning, Coimbatore Institute of Technology July, 2019 - May, 2024
CGPA: 7.83 (upto sem 7)

SKILLS

Programming Languages	Python, C, SQL, MATLAB, Solidity
Tools	Blender 3d, Flutter, Power BI, Odoo
Frameworks	TensorFlow, Flask, NLTK, OpenCV, Scikit-Learn
Areas of Interest	Deep Learning, Data Science, NLP, Computer Vision

EXPERIENCE

Machine Learning Engineer July 2022 - October 2022
SOULOCAL Technologies

- Conducted extensive exploratory data analysis (EDA) to enhance data quality, uncover customer insights, and drive improvements in recommendation systems, resulting in heightened user engagement and increased sales conversion rates.
- Collaborated with cross-functional teams to implement machine learning solutions aligned with business objectives, fostering efficient inventory management and enhancing transaction security.

PROJECTS

Celebrity Image Classification.

- Developed a robust celebrity image classification system using OpenCV, leveraging advanced image processing techniques and ML algorithms to achieve precise identification of well-known personalities from images.
- Successfully implemented state-of-the-art techniques to enhance image recognition and classification, showcasing expertise in computer vision and machine learning.

Song Recommendation System.

- Collected Spotify API data, extracted audio features, and applied Pairwise Cosine Similarity and K-Means Clustering algorithms to provide personalized music recommendations.
- Developed a user-friendly Flask web app allowing users to interact with the recommendation system, enhancing their music discovery experience.
- Demonstrated proficiency in data scraping, feature extraction, and web development, contributing valuable insights and expertise to improve user engagement.

Optimizing Intrusion Detection System (IDS).

- Utilized the NSL-KDD dataset for training and evaluating machine learning models.
- Employed three distinct approaches, including Hierarchical Search (HS) for feature selection, Artificial Bee Colony (ABC) for feature selection, and a combined approach (HS+ABC) for enhanced feature selection.
- Evaluated the resulting models based on a low False Positive rate, achieving an impressive rate of 0.65%.

PUBLICATIONS

- Published our project "Enhancing Intrusion Detection Systems using Hybrid Optimization Approaches" in the GRENZE International Journal of Engineering and Technology, showcasing an accuracy of 96.08% and a low False Positive Rate of 0.65%