Sai Siddhartha Chunduru

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Summary

Computer Science student specializing in Artificial Intelligence and Machine Learning development. Experienced in implementing machine learning algorithms using Python, conducting data analysis, and working with AI frameworks. Demonstrated success in applying technical skills through practical projects and seeking to contribute to AI/ML development teams.

Work Experience

Artificial Neural Networks Intern — Coding Jr Present

- Led the deployment of Large Language Models (LLMs) and researched AI Copilot solutions for optimizing business processes, focusing on enhancing operational efficiency.
- Analyzed technical stacks, business models, and workflows, evaluating various LLM architectures and AI models to identify optimal solutions for AI integration and business needs.

Projects

Enhanced Video Recommender System Link

- Developed and implemented an advanced video recommendation engine achieving 85% user engagement rate by combining collaborative and content-based filtering approaches.
- Created a personalized system processing 1,000+ video entries using TF-IDF vectorization, reducing recommendation time by 40% through SVD, and incorporating time-decay algorithms that improved accuracy by 25%.
- Deployed a Flask REST API with three endpoints (hybrid, content-based, and cold-start).

Expense Tracker Website Link

- Architected and implemented a comprehensive financial tracking web application utilizing React.js, incorporating dynamic data visualization through Recharts library.
- Engineered robust transaction management features with intuitive user interface design, enabling seamless expense monitoring and real-time financial analytics.

Celebrity Face Detection and Classification Link

- Built a machine learning pipeline using OpenCV and Scikit-learn to detect and classify celebrity faces by combining raw pixel data with Wavelet Transform (PyWavelets) features for enhanced image representation.
- Trained SVM, Random Forest, and Logistic Regression models, applying hyperparameter tuning with GridSearchCV.
- Achieved the highest accuracy with the SVM model.

Education

2022 - 2026 Bachelor of Technology in Computer Science at **SRM University**
2020 - 2022 Class 12th at **Sri Chaitanya College of Education**
2020 Class 10th **Sri Chaitanya School**

Certifications

1.Machine Learning with TensorFlow Infosys Springboard
2.The Joy of Computing using Python NPTEL

Technical Skills

Programming Languages: C++, Python, JavaScript, HTML, CSS.
Tools & Frameworks: Scikit-learn, TensorFlow,React.js.
Core Skills: Data Structures, Algorithms, Object-Oriented Programming.