Velidi Sriram Chowdary

Machine Learning & Data Science Enthusiast

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Summary

Fresher in Computer Science with internships and a published research project in fraud detection. Skilled in Python, SQL, and ML/DL frameworks, with hands-on projects in Natural Language Processing, Computer Vision, and Predictive Analytics. Passionate about building and deploying real-world AI solutions. Seeking entry-level opportunities as a **Data Scientist, ML Engineer, or AI Research Intern**.

Skills

Programming: Python, Java, SQL
ML/DL: scikit-learn, TensorFlow, PyTorch, SVM, Random Forest, XGBoost, CNNs, RNNs, Transformers
Data: NumPy, Pandas, Matplotlib, Seaborn, Feature Engineering, Data Cleaning
Deployment: Flask, FastAPI, Streamlit, Docker, GitHub Actions, Hugging Face Spaces
Cloud: Basics of AWS/GCP for ML
Soft Skills: Problem-solving, teamwork, communication, adaptability

Education

Muthayammal Engineering College, Namakkal, India — *Oct 2021 – May 2025*
Bachelor of Engineering, Computer Science — GPA: 7.9/10.0

Selected Projects

Adaptive Fraud Detection in Online Transactions *2025*
GitHub — IJRASET

- Built ML pipeline for fraud detection with data preprocessing, feature engineering, and classification (Logistic Regression, Random Forest, XGBoost).
- Evaluated using ROC-AUC and precision/recall; published in IJRASET and presented at NCAEB 2025.

Resume Screening NLP System (Domain Project) *2025*
GitHub

- Built an NLP pipeline using **BERT** + TF-IDF to automatically screen resumes against job descriptions.
- Deployed as a **Streamlit app** with user-uploaded resumes; integrated Hugging Face model.

Medical Imaging Classification (Deep Learning) *2025*
GitHub

- Implemented CNN-based classifier for pneumonia detection on chest X-ray dataset.
- Achieved 91% accuracy with transfer learning (ResNet50); included Grad-CAM visualization for explainability.

Movie Recommendation System (Recommender) *2025*
GitHub

- Built collaborative filtering + content-based recommendation engine on MovieLens dataset.
- Deployed via Flask + Docker container; demonstrated scalable ML pipeline.

Credit Default Risk Prediction (Finance) *2025*
GitHub

- Built predictive model using SVM and XGBoost for loan default classification on imbalanced dataset.
- Applied oversampling (SMOTE) and feature selection; achieved F1-score of 0.82.