MARELLA SUSMITHA

AIML Engineer

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Professional Summary

Enthusiastic and detail-oriented Computer Science student specializing in Artificial Intelligence, Machine Learning, and Natural Language Processing. Skilled in developing, optimizing, and deploying ML models to solve real-world problems. Seeking AI/ML roles where I can leverage my expertise in deep learning, NLP, and model deployment to build impactful solutions.

Education

B.Tech in Computer Science (AI & ML Specialization) – NRI Institute of Technology, Andhra Pradesh *(2022 – 2026)*
CGPA: 9.02 / 10

Technical Skills

Languages: Python, SQL, Java (basic), C
Libraries & Frameworks: TensorFlow, Keras, Scikit-learn, Pandas, NumPy, NLTK, spaCy, Matplotlib, Seaborn
Concepts: Machine Learning, Deep Learning, Neural Networks, NLP, Text Classification, Sentiment Analysis, Model Optimization, Model Deployment, Feature Engineering, Data Preprocessing
Tools: Streamlit, Git, VS Code, Google Colab, Jupyter Notebook

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Projects **(All project repositories are available at: github.com/marellasusmitha)**

- **UPI Fraud Detection System (Patent Submitted)** – Machine learning model to detect fraudulent UPI transactions using classification algorithms, optimized through feature engineering for reduced false positives.
- **Delivery Time Prediction(***APSSDC Internship)* – Developed a predictive model using Neural Networks and Scikit-learn, performed EDA, feature engineering, hyperparameter tuning, and deployed via Streamlit.
- **Twitter Sentiment Analysis Tool** – Built a Live tweet collection pipeline using Tweepy API and sentiment classification with NLP techniques (TextBlob).
- **AI-Powered Chatbot** (*Edunet Foundation Internship project*)–Designed a Chatbot with 50+ intents developed using NLTK and spaCy, deployed with a Streamlit interface.

Certifications

Generative AI Fundamentals – LinkedIn Learning | AI Agents – IBM

Prompt Engineering – Infosys Springboard | LLM Fundamentals