KAUSHIK SATHYANARAYANA

Machine Learning Engineer | AI Enthusiast
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Summary

Aspiring Machine Learning Engineer with hands-on experience in Python, Machine Learning, and Natural Language Processing. Currently focused on learning Deep Learning and expanding practical skills through projects and experimentation. Strongly interested in Agentic AI and planning-based intelligent systems, with a motivation to apply AI techniques to real-world problems and grow through internships and industry exposure.

Skills

- **Programming Languages:** Python, C.
- **Data/ML:** Feature Engineering, Data Cleaning, EDA, ML Models, Pipelines.
- **Libraries:** NumPy, Pandas, Scikit-Learn, Matplotlib, Nltk, Gensim, Seaborn, Streamlit.
- **Databases:** MySQL, SQLite.
- **Tools:** Git (Basics), GitHub, VS code, Jupyter Notebook.

Education

Dayananda Sagar College of Engineering (DSCE)-Bangalore
Bachelor of Engineering (B.E) in Artificial Intelligence and Robotics | CGPA:9.225/10 (First year)
2024-2028

Projects

Cargo Guard AI Risk System: GitHub

- Developed an AI-based cargo risk assessment system that detects anomalies and predicts shipment risk using machine learning models on logistics, route and environmental data.

Forest Fire Predictor: GitHub

- Created a Streamlit-based machine learning application that predicts forest fire danger levels using weather and environmental features with a Random Forest classifier.

RFP-Insight-Engine: GitHub

- Developed an AI-driven insight engine that analyzes RFP documents to extract key insights and features using NLP techniques for improved decision support.

Travel Package Purchase Prediction: GitHub

- Designed a machine learning model to predict whether a customer will purchase a travel package using extensive preprocessing, SMOTE oversampling and a Random Forest classifier on demographic and interaction data

News Detector AI: GitHub

- An NLP-based system designed to classify news articles as real or fake using machine learning techniques for accurate content verification and misinformation detection.

Relevant Experience

- Gained hands-on experience through academic and independent machine learning projects using real-world datasets to solve practical problems in prediction, risk analysis and pattern discoveries.
- Performed data preprocessing, feature engineering, model training and evaluation using Python-based ML workflows.

Achievements

- Built and delivered multiple applied machine learning solutions using real-world datasets.
- Applied supervised and unsupervised learning techniques to solve practical prediction and analysis problems.
- Leveraged Python-based ML workflows to transform raw data into actionable insights.

Certificates

- Data Science – Code with Harry (Online) *March-2025*
- Machine Learning, Deep Learning, NLP-Udemy (Online) *December-2025*