Gurunath Reddy Tokala

Contact: 9440497328

Email: gurunathreddy2727@gmail.com

LinkedIn, Github, Portfolio

Summary

Motivated Machine Learning and Data Science intern at Lyros Technologies with hands-on experience in developing and deploying predictive models, performing data analysis, and implementing end-to-end ML solutions. Eager to leverage technical expertise and problem-solving skills to drive impactful data-driven outcomes in dynamic environments

Education

Bachelor of Technology: CSE, 2022 – Hyderabad
Visvesvaraya College of Engineering and Technology

Intermediate: MPC—Hyderabad
Sri Gayatri Junior College

SSC (8.3 CGPA) – Egalapenta, Srisailam
DAV High School

Expierence

Technical Assistant

@ RACEnergy

09/2021 - 05/2023 Hyderabad, India

- RACE Energy is powering the future of mobility through clean and efficient technologies, including Electric Vehicles, E-Autos, Swappable Batteries, and Battery Swapping Stations.
- Provided technical support for EV systems, assisting in troubleshooting, and routine maintenance to ensure battery performance.

Software Engineer

@ Lyros Technologies Private Limited

02/2025 - Present Hyderabad, India

- Lyros Technologies is an IT solutions and staffing company specializing in web development, UX audits, and technical support services.
- Participating in a structured training program focused on Artificial Intelligence and Machine Learning
- Developed and deployed robust regression and classification models using Scikit-learn, applying advanced machine learning techniques to solve complex data-driven problems
- Applied NLP techniques such as text classification and sentiment analysis, and experimented with transformer-based models like BERT and Llama for advanced language tasks.
- Deployed and managed Python applications using Render for hosting and Supabase as a backend service, leveraging CI/CD pipelines and Docker to automate, containerize, and streamline scalable deployment workflows

Technical Skills

- Programming: Java, **Python**
- Databases: MySQL
- Visualization Tools: **Power Bi**, Matplotlib, Seaborn
- IDE: Visual Studio code, Jupyter, Collab and IntelliJ
- Devops: **Docker**, Kubernetes, CI/CD Pipelines
- Deployment Tools: **Render**, Supabase, GitHub actions
- Version Control: **Git**
- AI/ML, **Data Science**, Deep Learning, NLP, **Transformer**, LLM,

Certification

Basic & Object-Oriented Programming with Java, Web Application Introduction with HTML, CSS and JS in **Bridgelabz**

Projects

Major Project: **Customer Segmentation Using Machine Learning and Python**

- Analyze customer data and group similar customers together based on their behavior and characteristics
- I used unsupervised learning, specifically the **K-Means clustering** algorithm, to segment the customers.
- Data cleaning and preprocessing using **Pandas** and **NumPy**

Student Grading System:

- Implemented role-based access control for Admins and Teachers to ensure **secure** and structured functionality
- Utilized **Pandas** for structured data storage, manipulation, and retrieval
- Developed a **Tkinter**-based GUI application for managing student academic records

House Price Prediction Using Regression Model:

- Goal was to predict property prices based on various features like location, number of rooms, area, and amenities.
- I used multiple regression models like Linear Regression, Decision Tree, and Random Forest — but finally chose the **Random Forest Regressor** because it performed best in terms of accuracy and generalization. Achieved an R^2 score of around 0.85
- Deployed the model using **Flask** and created a simple web interface for users to input property features and get the predicted price.

Movie Recommendation System using NLP:

- Idea was to recommend movies based on textual similarity of movie descriptions or plots rather than just ratings or genres**.**
- I used **TF-IDF Vectorization** to convert the text data (movie overviews) into numerical vectors that represent the importance of words in each plot.
- Then I calculated **cosine similarity** between those vectors to measure how similar two movie descriptions are. And the system finds and recommends movies with the most similar plot.

Languages

Telugu English Hindi

Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.