Gurunath Reddy Tokala

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LinkedIn, Github, Portfolio

Carrer Objective

Two Years of experience in Non- IT Industry. As a **Technical Assistant** typically provides administrative and technical support, including data entry by maintaining the Excel, document management, equipment maintenance, and troubleshooting technical issues in the products, while also assisting with research, data analysis, and communication.

I worked as a Freelance **Quality Assurance Specialist**. This project aims to evaluate the quality of a machine-generated, summarized answer called response in responding to user's question called query.

Carrer Objective

To build a rewarding career in a dynamic and **growth-oriented** organization where I can utilize my skills, take on challenging roles, and continuously **learn and grow**. I aim to contribute meaningfully to the success of the company through my dedication, **innovation**, and hard work.

Education

Bachelor of Technology: CSE, 2022 - Hyderabad
Intermediate: MPC-- Hyderabad
SSC (8.3 CGPA) – Egalapenta, Srisailam

Technical Skills

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

Certification

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

Projects

College Major Project: Customer Segmentation Using Machine Learning and Python

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

Student Grading System:

- Developed a **Python** application with a Tkinter-based **GUI** for managing student academic records

House Price Prediction Using Regression Model:

- 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
- I 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:

- 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.

Declaration

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