Samala Nithin

STUDENT

Hyderabad, Telangana samalanithin@gmail.com LinkedIn: Samala Nithin +91-8121254911

ABOUT ME

I am an undergraduate B. Tech student with a strong passion for learning and growth in the tech field. I consider myself enthusiastic, self-motivated, and dedicated. I enjoy solving problems, taking initiative, and consistently strive to improve both my technical and personal skills.

EDUCATION

2022 – 2026 | NEIL GOGTE INSTITUTE OF TECHNOLOGY

- B. Tech | Computer Science and Engineering: 7.7CGPA

2020 - 2022 | SR JR. COLLEGE

- Intermediate | percentage – 94.5%

2020 | NALANDHA HIGH SCHOOL

- SSC Board | CGPA: 10.00

SKILLS

- **Programming Languages:**
  Java | C++ | Python | C | JavaScript
- **Databases:** DBMS| MySQL |
- **Others:**
  Data Structures | HTML | CSS | AI-ML
- **Subjects:** OS| CN

PROJECTS

- **Text Summarization Using Retrieval-Augmented Generation**
  This project implements a text summarization system using Retrieval-Augmented Generation (RAG) document retrieval with text generation. generates accurate summaries. The model enhances understanding and relevance in summaries compared to traditional approaches. It is suitable for applications like summarizing articles, research papers, and large documents.
- **Technology Used:**
  Python, Natural Language Processing, Word2Vec, RAG, LLM ,FAISS , NLTK ,Streamlit
- **My Role in the Project:**
  I am responsible for **context provisioning**, ensuring that the pre-processed and embedded data is structured and delivered to the Large Language Model (LLM) in an optimal format for effective summarization.

- **SPAM DETECTION USING MACHINE LEARNING**
  This project develops a machine learning-based system to detect and filter spam text effectively. Various algorithms such as Naive Bayes, Multinomial Naive Bayes, and Bernoulli Naive Bayes are trained on labeled email datasets to classify messages as spam or legitimate. The system uses text preprocessing techniques like tokenization, stop word removal, and TF-IDF vectorization to improve accuracy. The model achieves high precision and accuracy, making it suitable for real-time spam filtering applications. papers, and large documents.
- **Technology Used:**
  Python, Natural Language Processing (NLP), Scikit-learn, NLTK, Pandas, NumPy, Streamlit
- **My Role in the Project:**
  I was responsible for developing and implementing the machine learning models, including data preprocessing, feature engineering (TF-IDF vectorization), model training, and performance evaluation to ensure high accuracy in spam detection.

EXTRA-CURRICULAR ACTIVITIES

- Active contributor on coding platforms like LeetCode
- Hobbies include coding, cricket, F1