SURENDAR RAM SK

CONTACT

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EDUCATION

Bachelor of Artificial Intelligence and Machine Learning

SNS COLLEGE OF TECHNOLOGY

2022-2026 - SGPA - 8.1 (Sem 4)*

State Board of School Examinations

Kanchi Sri Sankara Academy Matric Hr Sec School,Tiruchendur

2021-2022 - 84%

State Board of School Examinations

Kanchi Sri Sankara Academy Matric Hr Sec School,Tiruchendur

2019-2020- 80%

INTERNSHIPS

- Android App Development - Cognifyz Technologies (March 2024 - April 2024)
- Mindnotix - Machine learning (2 nd July 2024 - 23 rd July 2024)
- Python Development - Skill Vertex(5th March 2023 - 5th April 2023)

CAREER OBJECTIVE

Aspiring AIML engineering student with a strong foundation in Java and Python development. Eager to leverage my technical skills in building intelligent solutions, with a particular focus on AI and machine learning applications. Currently expanding my knowledge in app development, I am committed to continuous learning and seek opportunities to contribute to innovative projects, enhancing both my skills and the growth of the organization.

TECHNICAL SKILLS

- HTML Development
- CSS Development
- Python Programming
- Java Programming
- Cloud Computing
- DBMS
- Figma
- Machine Learning

PROJECTS

SMART IRRIGATION SYSTEM

Developed a Smart Irrigation System that automates water management by using moisture sensors to detect soil moisture levels. The system activates irrigation only when needed, conserving water while ensuring optimal crop growth. This project promotes sustainable agriculture by improving resource efficiency and reducing water wastage.

HEALTH AND FITNESS CHATBOT

Developed a website using HTML and CSS, featuring an embedded chatbot that provides personalized health and fitness advice. The chatbot offers workout tips, diet plans, and wellness suggestions, enhancing user engagement with real-time responses. This project combines web development with AI to promote healthy living.

STOCKPRICE PREDICTION

The objective of this project is to develop a predictive model to forecast Tata Motors' closing stock prices using historical data. The model employs the LSTM algorithm, a recurrent neural network designed for sequential data, to capture stock price trends and improve prediction accuracy.

SENTIMENTAL ANALYSIS ON REVIEWS

Developed a sentiment analysis model using NLP techniques to classify customer reviews as positive, negative, or neutral. The project involved data pre-processing and implemented machine learning algorithms like Logistic Regression and Naive Bayes, with performance evaluated using accuracy and F1-score. Deployed using Flask, the solution allows users to input reviews and receive real-time sentiment feedback.

SMART PARKING SYSTEM

Developed a Smart Parking System with a pre-booking feature, allowing users to reserve parking spots in advance. The system uses MongoDB for real-time data management, updating parking availability and confirming bookings instantly. Built with Python Flask, it enhances convenience and reduces congestion by enabling online reservations and secure payments.

LANGUAGES

- Tamil
- English
- Hindi(Basic)
- German (Basic)

CERTIFICATIONS

- C & C++ - Prepinsta - March 2022
- Python Development - Skillvertex - April 2023
- Technical Career Workshop - Devtown - May 2023
- Python Programming - Prepinsta - August 2023
- DBMS - Infosys Springboard - May 2024