

Sai Ananya Katakam

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PROJECTS

Car Resale Price Prediction

Live | [GitHub](#)

Python, Streamlit

March 2024

- Developed and deployed a predictive model using Python and Streamlit, increasing car resale price accuracy by 25 % and enhancing user engagement with a user-friendly interface.
- Orchestrated a user-friendly Streamlit interface for seamless input of car age and mileage, ensuring immediate resale price estimates.

Book Recommendation System

[GitHub](#)

Python

April 2024

- Created a robust Python-based book recommendation system using the K-Nearest Neighbors (KNN) algorithm, emphasizing personalized recommendations.
- Optimized user engagement through book suggestions tailored to individual preferences, enhancing overall user satisfaction.

English to French Translator

[GitHub](#)

Python

May 2024

- Engineered a sequence-to-sequence model in NLP for precise English-to-French translation, employing encoder-decoder architecture to ensure superior linguistic accuracy.
- Applied advanced NLP methodologies, including recurrent neural networks and rigorous testing protocols, achieving exceptional translation fidelity across diverse and complex sentence structures.

SKILLS

Languages: C, HTML/CSS, Java, JavaScript, Python, SQL

Tools and Utilities: LangChain, Git, GitHub, Tensorflow, Kaggle, Anaconda

EDUCATION

Indian Institute of Information Technology. SriCity

Btech - Computer Science (GPA: 8.20/10.00)

Chittoor, India

November 2022 - Present

PUBLICATIONS

TinyML for Industry 5.0: Fundamental, Applications and Research Challenges IEEE Internet of Things Journal

Sai Ananya Katakam, Megha Sharma, Abhishek Hazra, Abhinav Tomar

(Submitted)

ROLES AND RESPONSIBILITIES

Member of Student Life Committee

IIITS, September 2023-August 2024

- Successfully planned and executed events and cultural festivals. Coordinated with vendors, sponsors, and volunteers to ensure smooth event logistics. Managed event budgets.

Deep Learning Domain Lead

Epoch, June 2024-Present

Captain of Women's Basketball Team

IIITS, August 2023-Present