Jeevabharathi S

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Education

B.Tech Artificial Intelligence and Datascience - 2022 to 2026

KPR Institute of Engineering and Technology, Coimbatore CGPA : 8.01

Skills

Programming Languages : C, R, Python, JAVA, SQL, PL/SQL

Tools : Pandas, Numpy, Scikit-Learn, Matplotlib, Streamlit, ComputerVision, Tensorflow, LangChain, Stable Diffusion, YOLO, ANN.

Experience

Machine Learning Intern - Yaane Technologies, Coimbatore. - Jan to Feb,2024

- Developed a computer vision model to automate data entry by detecting and counting checked boxes in a tracker sheet, updating the count in a dataframe.
- Created a chatbot using LangChain to connect LLMs for project integration and interaction.

Project Works

Automated Checkbox Detection System

Developed a computer vision model for detecting and counting checked boxes in a tracker sheet, automating data entry with high accuracy. The model works perfectly and has the potential for further enhancement using CNN to improve feasibility and robustness. Implemented efficient preprocessing techniques to handle diverse document formats and ensure reliable performance.
https://github.com/JeevabharathiS/Detecting-Checked-Boxes-A-ComputerVision-Approach

Text-to-Image-Generation-with-Stable-Diffusion

Integrated the Stable Diffusion model using Hugging Face to convert text to images, running on a local GPU. Utilized LangChain to leverage LLMs for enhancing user prompts, improving the quality and relevance of generated images. Implemented advanced text-to-image generation for more precise and engaging outputs.
https://github.com/JeevabharathiS/Text-to-Image-Generation-with-Stable-Diffusion

Student Dropout Analysis

Conducted an in-depth analysis of student dropout trends in school education for the Government of Gujarat, utilizing a Kaggle dataset on the impact of social and economic factors. Explored demographic, economic, academic, and social dimensions to identify patterns influencing dropout rates, aiming to inform targeted interventions for reducing school dropout rates.
https://www.kaggle.com/code/jeevabharathis/student-dropout-analysis-for-school-education

Course Works

Introduction to Data Science in Python - Cousera

University of Michigan Feb,2023

Applied Plotting, Charting & Data Representation in Python - Cousera

University of Michigan Apr,2023

Python for Data Analysis: Pandas & NumPy - Cousera

Cousera Jun,2023

Digital Profiles

https://www.linkedin.com/in/jeevabharathi-s-aa2062248/

https://www.kaggle.com/jeevabharathis

https://github.com/JeevabharathiS