Venkateshwar Reddy Kandula

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LinkedIn Github Work Authorization: F1-Visa

EDUCATION

THE UNIVERSITY OF TEXAS AT DALLAS *May 2024*
Master's in Computer Science CGPA: 3.33/4

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY KOTTAYAM, India *May 2022*
B.Tech in Computer Science and Engineering CGPA: 7.6/10

PROJECTS

TWITTER ACCOUNT ANALYSIS Github Deployment *December 2022 - March 2023*

- Web application, utilizing advanced sentiment analysis algorithms, to empower companies to strategically select top Social media personalities, resulting in significant revenue growth through targeted marketing.
- Integrated a highly effective user ***tracking feature*** into a web application that yielded invaluable insights into user behavior and preferences, leading to significant revenue growth. Utilized data visualization techniques to display daily ***follower counts for the past 14 days***, allowing for a quick and easy understanding of user engagement trends.
- Built using React for Frontend, Flask framework for the backend, Tailwind CSS for styling, and used react-minimal-pie-chart package that ***renders charts in 39ms***. Deployed using Azure cloud and Vercel.

YOUTUBE SUMMARIZER EXTENSION Github *August 2022 - October 2022*

- The YouTube summarizer extension provides a convenient way for users to quickly get a summary of the information presented in YouTube videos with the help of advanced NLP techniques resulting in the removal of approximately ***50% of irrelevant*** information. This extension is particularly useful for users who want to quickly gather key information.
- The extension activates on the YouTube site and sends an API request to the Flask server. Using the youtube_transcript_api module, the Flask server generates text from the video's content, followed by summarization using the transformers model and implemented using Python, Flask, HTML, CSS, and JavaScript.

FEDERATED LEARNING FOR HIGH UTILITY ITEMSETMINING *September 2021 - May 2022*

- With a team of three in a collaborative project, we implemented the powerful technique of Federated Learning. By doing so, we were able to collaborate effectively with multiple independent clients while ***maintaining the privacy and security of sensitive data***, ultimately enabling us to extract valuable insights from multiple datasets in a cost and time-efficient manner.
- Employed the Flower Framework, along with the CNN sequential model and various Python libraries, to implement the Federated Learning approach. Conducted weekly team meetings to review progress and make necessary adjustments.

SORTING VISUALIZER Github Deployment *August 2022 - October 2022*

- A web application to visually represent the inner workings of popular sorting algorithms, including bubble sort, selection sort, insertion sort, and quick sort, can sort up to 40 numbers.
- Developed using HTML, Bootstrap, and JavaScript, while leveraging the hosting capabilities of Netlify.

EXPERIENCE

Data Analytics Intern | The Shaadhi Times *May 2020 - June 2020*

- Conducted in-depth data analysis comparing the Pre-COVID and Post-COVID eating habits and trends to identify shifts and insights that could inform future decision-making.
- Demonstrated strong research skills in gathering and compiling around ***1000s of relevant data*** in CSV files, which were then leveraged to predict eating habits using the cutting-edge Prophet module in Python.

ACHIEVEMENTS & SKILLS

- Python, C, Java, R, NLTK, Keras, Tensorflow, XML, C++, Javascript, React, MySql, HTML5, CSS, Flask, Git, Visual Studio, Google Cloud, Tailwind CSS, MUI, MongoDB, Azure, Problem-solving, CAD.
- CodeChef Lunchtime July 2020: ***Rank 1381***.
- Solved 200+ Leetcode Questions.