Rakshit Dabral

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PROFESSIONAL SUMMARY

Artificial Intelligence and Data Science student seeking an internship to leverage my academic knowledge and skills to gain practical experience in the industry. Eager to contribute in frontend , backend , Machine Learning , Data Science and a strong work ethic to a team environment.

Project

Sentiment Analysis   May 2024 - May 2024

- I was given this project as a task where I had few files containing the data of stop words, positive words and negative words. With a task to fetch data from the website use the sentiment analysis on the fetched data and provide the score.
- I used **Beautiful Soup** to crawl into the website url provided and retrieve the title and the article present in the website and then save all the fetched data to a safe folder.
- Utilizing the knowledge of **EDA** I cleaned and preprocessed the data before moving forward. We then took the data and split it into separate words where each word could be compared to stop word, positive word , or negative word to find the score of the required field . I used **regex** to match and look for specific patterns in the article
- I then created a table showcasing all the score of the website data and how it will engage with the users

Sign Recognition system   December 2023- February 2024

- As a data Science student I was given my first major project to create a research paper on the project sign recognition system
- Leveraged the high performance model **VGG16** to create a transfer learning model. Which resulted in a significant increase of the accuracy from 75% to 99.4%
- Used **tensor board** log to create and generate graphs for the same train and validation data showcasing the same
- Used **Cuda** to implement GPU based processing rather than CPU based which led to reduction in processing time for 30 epochs from whooping 5 hours to 1.5 hours.
- Added **reduced learning** and **early stopping** to handle over and under fitting

Buzz Talk   September 2023-October 2023

- Simple **ReactJs** frontend website with minute backend features like login and logout
- With smooth and engaging animation using **Gsap** to make the website playful for the user
- Used **CDN** to server the heavy data to decrease the load time of the website and increase its performance for better user experience

EDUCATION

Guru Gobind Singh Indraprastha University   **June 2022 - June 2026**

Bachelor of Technology, Artificial Intelligence and Data Science

SKILLS

Programming Languages	Javascript, C++, Python , Java
Backend	Node Js, Express
Frontend	React JS, Tailwind, Bootstrap, HTML5, CSS3
Database and Analytics	MySQL, MongoDB
Version Control and project management	Git, Github
Software development practices	Scrum, WaterFall
Cloud	Amazon web services (AWS)
Other	Markdown , NPM, Object Oriented Programming, Functional Programming, REST API, Hosting

Certification

Developer Virtual Experience Program (Accenture)

Received this certificate for successfully completing my virtual developer program with Accenture