

USIRIKAYALA HARISH

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Education

Gayatri Vidya Parishad College Of Engineering

Bachelor of Science in Computer Science

2021 - 2025

CGPA, 8.87

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Computer Networks
- OOP
- Database Management
- Operating Systems

Projects

Amazon Review Summarizer | *Python, NLP, NLTK, Spacy, TF-IDF, BeautifulSoup, BERT*

Oct 2023

- This Project is mainly deals with the summarization of Amazon Products reviews which are given by customers of Amazon.
- Developed a system to extract and summarize key insights from Amazon product reviews using Natural Language Processing (NLP) techniques.
- Employed Python programming language along with NLP libraries such as NLTK (Natural Language Toolkit) and spaCy for text processing and analysis.
- Utilized web scraping techniques to gather relevant product reviews from Amazon, ensuring a steady stream of data for analysis.

Apparel Recommendation System | *Python, Numpy, Pandas, CNN, TensorFlow, Streamlit*

Sep 2023

- Developed a Fashion Recommendation System using Deep Learning
- Utilized the Amazon Apparel Dataset for training and evaluation.
- Used Convolutional Neural Networks(CNN) for advanced feature representation.
- The features of an image is compared with the extracted features of all images.
- Implemented a variety of recommendation strategies for diverse user preferences including Euclidean similarity, Cosine similarity, Model-based similarity.

Virtual Calculator | *Python, OpenCV, Numpy*

March 2023

- Developed a Virtual Calculator using OpenCV
- Designed and implemented a virtual calculator using OpenCV, a computer vision library, allowing users to perform mathematical operations using hand gestures.
- Utilized OpenCV's image processing capabilities to recognize and track hand gestures, enabling users to interact with the virtual calculator in an intuitive manner.
- Incorporated algorithms to process gestures representing mathematical symbols and operations, enabling real-time calculation and display of results.

Technical Skills

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

Developer Tools: VS Code, Eclipse, Google Colab, Pycharm

Technologies/Frameworks: Machine Learning, Deep Learning, NLP, GitHub, Numpy, Pandas

Achievements

- Secured 1st position in CODE BREAK Competition conducted by IEEE Club.
- Secured 3rd position in Prediction to Perfection Competition conducted by GVP AI Club.
- Completed 200 days streak of Geeks for Geeks problem of the day
- AIR -2234 in Google Kickstart
- Solved 500+ Problems on LeetCode , GFG, Codestudio
- Leetcode 1500+ rating
- Cleared Advanced SQL Test in Hackerrank

Certifications

- Courseera Machine Learning Certification.
- Infosys Spring Board Python Programming Certification.