Vankayala N B P Ritvik

Integrated Master of Technology in Mathematics and Computing- IIT Dhanbad

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PROJECTS

Mini- INSTA— *Details*

Mini-Insta is a free online application where users can upload photos and can share it with other users via other platforms. It's only a Front-end Application.

GitHub Repo and Webpage link :

https://github.com/RitvikVankayala/mini-insta.git

https://ritvikvankayala-mini-insta.000webhostapp.com/

Demo AUTH -

Username- 123@gmail.com

Password - 123456789

Atulya (OpenCV Project) — *Details*

Atulya is an OpenCV project that detects the squares and colors from a given image and attaches the Aruco Markers on the specified colored square along with the Aruco Marker Detection.

GitHub Repo:

https://github.com/RitvikVankayala/Opencv_Atulya.git

Meetup-website— *Details*

It is a normal Meetup web application where the user can add their meetups and mark their favorite one also. It is similar to a To-Do Meet up application. It is a React js based application.

GitHub Repo and Webpage link:

https://github.com/RitvikVankayala/React-Meetups.git

https://react-meetuppps.netlify.app/

Browsing Event - website — *Details*

It is a web application based on next js using the file-based routing where users can fetch data from a firebase real time database and display on the website with a filter that can browse the events based on the time at which the event will be held.

GitHub Repo and Webpage link:

https://github.com/RitvikVankayala/Routing-next-meetups.git

Extractive Text Summarizer – Model (Details):

It is a model based on the data set BBC text which available on Internet and makes an extractive text summary of the entire Text. It uses NLTK library of python for stemming and lemmatizing the text and using Markov model for its Implementation.

EDUCATION

Indian Institute of Technology (ISM), Dhanbad — Integrated Master of Technology in Mathematics and Computing

CGPA – 8.82

School

11th & 12th - 2019-2021 - 96%
10th -2018-2019 - 10 CGPA

SKILLS

- Languages - C++, C, Python, JavaScript
- Data Structures and Algorithms
- HTML, CSS, Bootstrap
- React js, Next js
- Firebase, Mongo dB
- Supervised Machine Learning
- OpenCV,
- TensorFlow
- Problem Solving

ACHIEVEMENTS

- **Secured AIR Rank of 7539 in JEE ADVANCE.**
- **Secured AIR Rank of 12,407 in JEE Mains.**
- **Branch Change from Electrical Engineering to Mathematics and Computing in First Year of BTech**
- **Successfully Completed Stage -1 of E-Yantra Robotics Competition.**

POSITIONS OF RESPONSIBILITY

- **Takshak (2022-2023) Sponsorship Team.**
- **Takshak (2022-23) Tech Team.**

EXTRACURRICULARS

- Badminton
- Reading Books

Clubs

- RoboISM - Robotics and Artificial Intelligence Club

GitHub Repo Link:
https://github.com/RitvikVankayala/NLP/blob/main/Extractive_text_summarization.ipynb

Recommender Systems – Model (Details):

It is based on Text pre-processing and Cosine similarity
Using NLTK library of the python it uses TF-IDF vectorizer
for the text pre-processing it uses the dataset of 5000 movies
which is available on the internet.

GitHub Repo Link:
https://github.com/RitvikVankayala/NLP/blob/main/Recommender_System.ipynb

Spam Detection – Model (Details):

It is based on the Multinomial Naïve Bayes approach.
Uses the TF-IDF vectorizer for the text pre-processing it uses
a data set that contains some text with label as spam or not.
And finally it maps some words to spam and some to ham using this when a new word is given it checks the similarity and based on it , it tells whether the answer is spam or not.

GitHub Repo Link:
https://github.com/RitvikVankayala/NLP/blob/main/Spam_Detection.ipynb