Quoc Bao Trinh

AI Intern

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ABOUT ME

As a third-year student at the University of Information Technology, with the ability to learn quickly, eager to learn and have a high sense of responsibility, ready to take on challenges and successfully complete all assigned tasks.

SKILLS

C/C++, PYTHON, GitHub ,HTML, CSS ,SQL, OpenCV, Flask ,Pytorch, Tensorflow.

LANGUAGES

ENGLISH

JAPANESE

PRIZES AND AWARDS

AI CHALLENGE HO CHI MINH CITY 2024
4th
Nov,2024

APRIL OLYMPIAD MATHEMATICS MAJOR HO CHI MINH
Sliver

EDUCATION

INFORMATION TECHNOLOGY

VNUHCM - UNIVERSITY OF INFORMATION TECHNOLOGY   2022 - 2026
Nearest Semester GPA: 3.46/4 - **Overall GPA**: 3.38/4

PROJECTS

FACT VERIFICATION
- Description : This project divide into two step. First step, we build model that can classify with three label Entailment, Contradiction, Neutral between premise sentence and hypothesis. After that, we find the information in the paragraph related to the given sentence .
- Responsibility : Fine tuning and testing model in Step 1. And step two build baseline and test algorithm.
- Technology: XLM-Roberta-Base, Consine Similarity, BM25
- Participants: 4 People
- Link: https://github.com/BaoQuoc285/sentiment-classification.git

VCS-INFORMATION-MANAGEMENT-WEB
- Description: We created a web with the aim of collecting and organizing information such as players, teams, and rankings for each season in an easy-to-understand manner. At the same time, we combine machine learning with the collected data to predict the winning rate. At the same time, we use Tableu to visualize the data.
- Responsibility : Code Sql(trigger, view, function,...) , preproces data after crawl in website and support to build web as well as design database schema .
- Technology: Python, Javascript, Tableu, HTML, CSS, Microsoft SQL Server
- Participants: 4 people
- Link : https://github.com/BaoQuoc285/VCS-Information-Management-Web.git

AI CHALLENGE 2024

- Description : We created a Retrieval System , which uses Large Language Models and another feature (Image captioning , Speech to text, OCR,...). The architecture comprises three main components: data management, retrieval system, and user interface. It facilitates effective multi-modal querying through fast data processing and model integration, enhancing accuracy and scalability for extensive video collections. The data management optimizes indexing and storage, while the retrieval system applies machine learning for complex searches. The user interface enables intuitive interactions for search refinement and quick results .
- Technology: Python, JavaScript, HTML, CSS, ElasticSearch Speech to text model
- Responsibility : Fine-tune Paddle-ocr rely in Vin dataset . Optimize Speech to text and preprocess data from video to image. Test models such as Blip, Clip , Beit-3 to optimize accuracy when retrievaling. Generate text describing events in the image
- Technology :Clip, BLIP, Paddle-ocr, Fusecap, RAM, grouping DINO, Elastic search
- Paper : Transforming Video Search: Leveraging Multimodal Techniques and LLMs for Optimal Retrieval accepted in SoICT 2024 conference
- Participants: 4 People
- Link : https://github.com/daoan1412/AIO_BrainyBots

ACTIVITIES

SPRING VOLUNTEER IN UNIVERSITY

Member   15/12 - 15/1