

Contact

www.linkedin.com/in/nguyen-thanh-minh-125606244 (LinkedIn)

Top Skills

Django

docker

Natural Language Processing (NLP)

Certifications

Convolutional Neural Networks

Convolutional Neural Networks

Nguyen Thanh Minh

AI Engineer

Ho Chi Minh City, Vietnam

Experience

Fahasa.com

AI Engineer

August 2022 - Present (2 years 8 months)

Ho Chi Minh City, Vietnam

Apply in E-commerce website:

Personalize Recommendation System:

- Create a system to recommend products for each customer.

Search Engine:

- Create a microserver use in Elastic Search to determine what user search for: "Book or non-book?".

- Deploy the model using TorchServe (serving model), dockerize the service for horizontal scaling in Kubernetes to handle millions of requests in a day.

- The model will be trained and updated every week to capture new product names.

Recommendation System:

- Implementing a hybrid recommendation model that combines both Content-Based and Collaborative Filtering approaches to generate a comprehensive recommendation list for all products on an E-commerce website.

- Utilize some postprocessing techniques to avoid duplication of closely similar products.

- System will update after several days to diversify recommendation list of products.

Demand Forecasting:

- Conducting data analysis to determine the impact of flash sales on global consumption.

- I utilize customer purchase history data to predict the future sales of specific products.

- Use XGBoost and LSTM for demand prediction.

AI Camera for retail:

Labeling:

- Customize Labellmg (open source) for specific business tasks.

Tracking:

- (In progress) Research and deploy an algorithm for tracking people across multiple cameras and floors in a bookstore. The goal is to map customers' journeys and calculate their dwell time within the store.
- Find conversion rate $(\text{Number of Customers Entering the Store}) / (\text{Number of Customers Ingoring the Store})$ of customer in shopping center.

Detection:

- Custom model Yolo (change some architecture) to detect tiny people or people obscured by objects in bookstore.
- Clean data, collect public data, self-label data, and deploy a model that detects full-body people with limited resources.

Education

VNUHCM - University of Science

· (2019 - 2023)