

Bui Nguyen Anh Trung

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Objective

I have a bachelor's degree in Computer Science and have half a year of experience as a website developer. I have a sense of responsibility and progressive spirit, always ready to work. I am passionate about Japanese culture and am currently studying Japanese every day and aiming to achieve N4 on the JLPT exam by the end of this year.

Education

BS **University of Information Technology**, Computer Science

Oct. 2020 to Dec. 2023

- GPA: 3.34/4.0
- **Coursework:** Software Foundations, Computer Architecture, Algorithms, Artificial Intelligence, Comparison of Learning Algorithms, Computational Theory.

Technologies

Languages: PHP, JavaScript, SQL, Java, Python, C++, C#.NET

Software: Visual Studio, Navicat, Microsoft SQL Server, Eclipse, XCode, Interface Builder

Experience

VDOC, Website Developer, Fresher

Binh Thanh

December 2023 to April

2024

5 months

- I personally studied the Nuxt 3 documents and comprehended the main idea and directory structure.
- Implement a Laravel API to support the website's functionalities, including chat plugins integration and library services.
- Develop a responsive website utilizing Nuxt3, ensuring seamless integration with the Laravel API.
- Boost website visibility on search engines and assist users in finding it by implementing SEO (search engine optimization) on the server.

Projects

E-COMMERCE WEBSITE - LARAVEL, VUEJS, MYSQL ↗

- Online cosmetic sales website helps customers optimize product search time, track promotions, integrate payments and chat plugins
- Develop interface pages utilizing Vue2 alongside PrimeVue, a Vue UI Component Library, and integrate state management through Pinia.
- Design data relationships and contribute to developing a Restful API using Laravel to seamlessly communicate with the frontend.

FACE RECOGNITION REALTIME ANDROID APP - ANDROID JAVA [↗](#)

- Transform MTCNN and FaceNet model into tf-lite format and embed in mobile app
- Extract person images, detect faces using MTCNN, straighten and crop the faces, and generate embedding vectors for each person from the cropped images using a suitable algorithm or library.
- Utilize CameraX's Image Analysis to capture streaming images, employ MTCNN for face detection in each frame, crop the image to include only detected faces, and utilize FaceNet to extract embedding vectors from the cropped face images in real-time.
- Identify the person in the image by comparing the embedding vector with a database of known embeddings using either the L2 or cosine similarity metric.

YOLOX VISION API ANDROID APP - ANDROID JAVA, PYTHON, NGROK [↗](#)

- Built a FastAPI server incorporating a YOLOX object detection model, converted to ONNX format for optimized performance and reduced file size, and seamlessly integrated the model for inference on input images.
- For the client app, the scanning activity involves QR code scanning, assigning new domain names, and connecting to the API
- The detection activity utilizes CameraX for frame streaming analysis and Retrofit for server communication, enabling requests via OkHttp with frame images as data, and then drawing bounding boxes around objects of interest based on server responses.
- Use Ngrok to temporarily host a server.

Additional Experience And Awards ---

- Excellent Studying Result In The Second Semester Of 2022-2023.
- Excellent Studying Result In The First Semester Of 2021-2022
- Encouragement Award for the AI Challenge Competition in Ho Chi Minh City
- Third prize winner of the UIT CAR RACING 2021 competition