


Tran Van Tuan Phong

BACKEND - AI PYTHON/AWS

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EDUCATION

School of Engineering and Technology, Hue University

Hue, Vietnam

Engineering Degree in Data Science and Artificial Intelligence

Sep 2020 - May 2025

- Current GPA: 3.43/4.0
- Related Courses: Python, MachineLearning, DeepLearning, ComputerVision, NLP, BigData

KEY ACHIEVEMENTS

Third Prize – Science and Technology Award for University Students 2023

Hue, Vietnam

Organized by the Vietnam Fund for Technical Innovation (VIFOTEC)

November 2023

Awarded for further developing the smart lighting system project, demonstrating innovation, practical application, and technical excellence on a national level.

Science and Technology Innovation Contest 2021

Hue, Vietnam

Recognized for the project “Designing a Smart Lighting System in Hue,” which involved developing an IoT-based system using Firebase and ThingSpeak to enable real-time monitoring and automation. 2021

PROFESSIONAL EXPERIENCE

RegenAI Solutions Co., Ltd.

Da Nang, Vietnam

Position: Backend/AI Engineering

July 2024 - Present

- Transitioned to Backend-AI development using Python and AWS, where I developed and enhanced the DayCent model to simulate carbon, nitrogen, and nutrient cycles.
- Developed APIs to collect soil and weather data, supporting GHG calculations.
- Further developed the DayCent Client, enhancing model functionality and gaining hands-on experience with various AWS services (Lambda, S3, ECR, etc.).

Technical Skills: Expertise in **Python, FastAPI, Pydantic, Earth Engine** (ee), and **AWS services** (Lambda, S3, ECR), with experience in data processing using libraries (like numpy, pandas, etc.).

Soft Skills: Strong communication, teamwork, problem-solving, and leadership abilities.

Brycen Vietnam Co., Ltd.

Hue, Vietnam

Position: Intern at AI R&D


March 2024 - June 2024

- Assisted in a Computer Vision project for OCR-based recognition of design blueprints, using tools like PaddleOCR, KerasOCR, and EasyOCR.
- Improved OCR accuracy using image pre-processing and Super Resolution techniques.
- Built basic UI components using PyQt6.


Technical Skills: Expertise in **Python, PaddleOCR, Keras, PyQt6**.


Soft Skills: Teamwork, problem-solving, communication, presentation.


PERSONAL PROJECT

 **Phong Portfolio**


Personal portfolio showcasing AI projects, backend systems, and technical achievements in Python & AWS.


 Next JS


 Public

 **Crop Yield Predictor**


Affordable tool to predict past and future crop yields for farmers.


 ML, tkinter

 Public

 **Federated Learning**

Client-server FL system for MNIST digit recognition with inference API.

 ML, Flask, Flower

 Public

ADDITIONAL INFORMATION

- **English proficiency:** B1 Certificate
- **Interests:** Sports (Basketball, Badminton), Volunteering & Community Activities