

# NGUYỄN THÀNH PHÁT

(+84) 0942-731-664

FULLSTACK WEB DEVELOPER - AI ENGINEER

📍 Ho Chi Minh City 📅 12/04/2002 💻 [www.phatjkk.github.io](http://www.phatjkk.github.io) ✉ [phatjk.work@gmail.com](mailto:phatjk.work@gmail.com)

I am a dedicated and driven individual with a strong passion for machine learning and software development. I am eager to leverage my skills and knowledge to contribute to innovative projects and make a positive impact in the field of AI and technology.

## EDUCATION

### Nguyen Tat Thanh University (NTTU)

2020 - 2024

Engineer of Information Technology - Data Science Specialization.

GPA: **3.57 / 4.0** - Top **2** GPA of K20's faculty - Degree classification: **Very good**.

Transcript: page 1 - [bit.ly/4aQWboQ](https://bit.ly/4aQWboQ) | page 2 - [bit.ly/4aPSLTb](https://bit.ly/4aPSLTb)

Achievement: **Champion at NTTU AI Hackathon 2022** - Topic: Covid-19 dead prediction.

(View: [bit.ly/3vRA6b](https://bit.ly/3vRA6b))

## TECHNICAL SKILLS

### Machine learning:

- Keras, TensorFlow(TF), Hugging Face(HF), Pytorch, TF + HF Dataset.
- Image/audio/text processing

### Data skill:

- Data cleaning/processing/ analytics/predicting.
- Numpy, Pandas, PowerBI, PySpark.
- Time-series prediction.

### Web front-end:

- HTML, CSS, JavaScript (JS), ReactJS (TailwindCSS, DaisyUI).

### Web back-end:

- ASP.NET Core MVC (C#), PHP, FastAPI/Flask (Python), ExpressJS.

### Database:

- SQL, MongoDB(no-sql), vector database.

### UI/UX design:

- Figma, Canva.

### Version control:

- Git, Github, Gitlab.

### Web platform:

- Wordpress.

### My Strength:

- Python, Tensorflow, Transformer, Python.
- HTML, CSS, JS, ReactJS.
- SQL, MySQL.

## PROFESSIONAL EXPERIENCE

### Jumpstart Disruptive Innovations (JDI) - Singapore

June 2024 - November 2024

Software Developer Freelance (Gen AI)

- Build RAG system, nestjs-boilerplate back-end. (AWS S3, SQS)
- Work with vector database, data chunking, preprocessing, data scaping and prompting.
- Support AWS EC2 deployment, build RAG with LangchainJS (NodeJS+ExpressJS).
- Implement AI/ML model for classification, generative, OpenAI, TogetherAI service.

### TMA Solutions - Vietnam

September 2023 - December 2023

AI Engineer Intern

- Learn basic Git/Github, Linux command-line, Docker (basic microservice), Piper library and build fake project "**Vietnamese Text-to-speech Web Application**" for practice.  
( Source code: [github.com/phatjkk/vits-tts-vietnamese](https://github.com/phatjkk/vits-tts-vietnamese) )
- Cooperate, support in company's text generation project and write my internship report.
- Reference: [bit.ly/49wlgUY](https://bit.ly/49wlgUY)

# CERTIFICATES

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## TensorFlow Developer Certificate

2023 – 2026

Foundational/practical machine learning skills using Google Tensorflow.

- ID: e0d73e11-673c-4116-bd9c-976aea8d6ef3
- (View: [bit.ly/3Ud9WZe](https://bit.ly/3Ud9WZe))

# PERSONAL PROJECTS

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## AI – MACHINE LEARNING

- **NTTU Chatbot (RAG)** (ReactJS, Python, Pytorch, Langchain, vLLM, Transformers, FastAPI, Qdrant, text similarity, fine-tuning LLM, AWQ Quantization) [**45+ stars** on Github]:  
Source: [github.com/phatjkk/nttu-chatbot](https://github.com/phatjkk/nttu-chatbot) | Live demo: [youtu.be/lpYw6K844XY](https://youtu.be/lpYw6K844XY)
- **Vietnamese Text to Speech VITS** (Python, Pytorch, Piper, Docker, ReactJS [Front-end], TornadoWeb [Back-end], fine-tuning VITS model, convert ONNX)  
Source: [github.com/phatjkk/vits-tts-vietnamese](https://github.com/phatjkk/vits-tts-vietnamese) | Live demo: [youtu.be/1mAhaP26aQE](https://youtu.be/1mAhaP26aQE)
- **English – Vietnamese Translation Model** (Python, Transformers, translate en->vi, vi->en)  
Source: [github.com/phatjkk/bart-translate-vi-en](https://github.com/phatjkk/bart-translate-vi-en)
- **Vietnamese Toxic Text Classification** (Python, PySpark)  
Source: [github.com/phatjkk/vietnamese-toxic-text-detect-pyspark](https://github.com/phatjkk/vietnamese-toxic-text-detect-pyspark)

## DATA ANALYSIS – VISUALIZATION

- **Covid19 Vietnam Analysis (PowerBI)**:  
Source: [github.com/phatjkk/covid-19-powerbi](https://github.com/phatjkk/covid-19-powerbi) | Live demo: [bit.ly/3C44tKq](https://bit.ly/3C44tKq)

## WINDOWS APPLICATION

- **Dragon Speak** (C#, Python, WPF, Zalo Speech API, Visual Studio) [**100+ stars** on Github]  
Source: [github.com/phatjkk/SpeakIt\\_Vietnamese\\_TTS](https://github.com/phatjkk/SpeakIt_Vietnamese_TTS) | Live demo: [youtu.be/DquWRpjvNm0](https://youtu.be/DquWRpjvNm0)
- **Dragon Translator** (C#, WPF, OCR, Visual Studio) [**20+ stars** on Github]  
Source: [github.com/phatjkk/DragonTranslator](https://github.com/phatjkk/DragonTranslator) | Live demo: [youtu.be/H5XIP8NWf0g](https://youtu.be/H5XIP8NWf0g)

## WEBSITE – WEB APPLICATION

- **CozaStore** – E-commerce website (ASP.NET MVC, C#, Javascript, HTML, CSS)  
Source: [github.com/phatjkk/coza-store-e-commerce](https://github.com/phatjkk/coza-store-e-commerce) | [youtu.be/mXX5YLcBc-U](https://youtu.be/mXX5YLcBc-U)
- **Metabox** – Watch movie online with torrent (ReactJS, Web Torrent)  
Live demo: [phatjkk.github.io/movie](https://phatjkk.github.io/movie) | Source: [github.com/phatjkk/torrent-stream-site](https://github.com/phatjkk/torrent-stream-site)
- **Tarot Game** – Fortune teller with Tarot cards (ReactJS)  
Live demo: [phatjkk.github.io/tarot](https://phatjkk.github.io/tarot) | Source: [github.com/phatjkk/tarot-vietnamese-project](https://github.com/phatjkk/tarot-vietnamese-project)  
(See more 20+ projects in my Github profile – [github.com/phatjkk](https://github.com/phatjkk))

# LANGUAGES

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## English (Level B1)

Passed TOEIC 550+ exam at NTTU graduate requirement. Good at reading, communicating and writing skills.

# THE END