NGUYỄN THÀNH PHÁT

SOFTWARE ENGINEER

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📍 Ho Chi Minh City 📅 12/04/2002 💻 www.phatjkk.github.io ✉ 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 | page 2 - bit.ly/4aPSLTb

Achievement: **First prize at NTTU AI Hackathon 2022** - Topic: Covid-19 dead prediction.
(View: bit.ly/3vRAd6b)

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.

PROFESSIONNAL EXPERIENCE

TMA Solutions   September 2023 - December 2023

AI Engineer Intern
- Revise Python, OOP and build fake project "**Guessing Card Game**" for practice.
  (Source code: github.com/phatjkk/card-guessing-game)
- Learn 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)
- Cooperate, support in company's text generation project and write my internship report.
- Reference: bit.ly/49wIgUY

CERTIFICATES

TensorFlow Developer Certificate   **2023 – 2026**

Foundational/practical machine learning skills using Google Tensorflow.

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

PERSONAL PROJECTS

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 | **Live demo:** youtu.be/IpYw6K844XY
- **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 | **Live demo:** youtu.be/1mAhaP26aQE
- **English - Vietnamese Translation Model** (Python, Transformers, translate en->vi, vi->en)
  Source: github.com/phatjkk/bart-translate-vi-en
- **Vietnamese Toxic Text Classification** (Python, PySpark)
  Source: github.com/phatjkk/vietnamese-toxic-text-detect-pyspark

DATA ANALYSIS – VISUALIZATION

- **Covid19 Vietnam Analysis (PowerBI):**
  Source: github.com/phatjkk/covid-19-powerbi | Live demo: 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 | **Live demo:** youtu.be/DquWRpjvNm0
- **Dragon Translator** (C#, WPF, OCR, Visual Studio) [**20+ stars** on Github]
  Source: github.com/phatjkk/DragonTranslator | **Live demo:** youtu.be/H5XIP8NWf0g

WEBSITE – WEB APPLICATION

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

LANGUAGES

English (Level B2)

Good at reading, communicating and writing skills.
Aim to 7.5+ IELTS overall.

THE END