LE BA DAC

AI/ML Engineer Intern

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ABOUT ME

I am a fourth-year student from the Advanced Program in Information Systems at the University of Information Technology, seeking a job related to Machine Learning and Deep Learning. With hands-on experience in various models, I am eager to apply my AI skills to real-world problems and continuously expand my knowledge alongside your company.

EDUCATION

UNIVERSITY OF INFORMATION TECHNOLOGY, VNU-HCM ***2021-02/2026***
Fourth-year Student *Expected*
Major: Information Systems, **GPA:** 8.98/10 (3.59/4.0)

RELEVANT EXPERIENCE

1. Research: Temporal to Spatial Knowledge Distillation for Real-time Fire Segmentation: An Approach involving Kolmogorov-Arnold Networks |Git| |App| ***08/2024-Current***
FTISU Research, Faculty of Information Systems

Description: Developed a real-time 2-class fire detector using a custom dataset from 57 videos. Achieved 81.63% Mean IoU and 147.02 FPS, outperforming previous methods.

Responsibilites:

- Collect video datasets from diverse papers & label data using Labelme.
- Research, build and optimize model: UNET + KAN + LSTM + Mobilenetv2, teacher-student.
- Integrate the optimized model into an edge-based IoT system using ESP32-CAM.

Tech & Tools: python, tensorflow, keras, scikit-image, scikit-learn, numpy, Optimization(Adam, Early Stopping, ReduceLROnPlateau),kotline,...

2. Project: Deploying diabetes detection on Android using machine learning |App| |Model| ***04/2025***
Self-assesment

Description: Built and deployed a machine learning model to detect diabetes risk on an Android app. Practiced data preprocessing, model optimization, and mobile integration.

Responsibilities:

- Perform exploratory data analysis to identify trends and handle data imbalances.
- Evaluate and select the best model.
- Optimize model with K-Fold CV, deploy via FastAPI & Render and integrate into an Android app.

Tech & Tools: scikit-learn, lazypredict, ydata profiling, matplotlib, seaborn, fastapi, uvicorn, docker, render, kotlin,...

3. Project: Aspect-based Sentiment Analysis on Smartphone's Vietnamese Reviews |Git| ***02/2024 - 06/2024***
Subject: Big Data, University of Information Technology

Description: Implemented aspect-based sentiment analysis on streaming phone reviews using Apache Kafka. PhoBERT-base achieved F1-scores of 0.70 (Polarity), 0.82 (Category), and 0.63 (Joint task).

Responsibilites:

- Collect and preprocess data.
- Use a PhoBERT-based model with the dataset.
- Support in writing documents in research paper format and creating presentation slides.

Tech & Tools: python, tensorflow, keras, pandas, pyspark, kafka,...

ACHIEVEMENTS & HONORS

THREE CONSECUTIVE YEARS AS A 'SINH VIEN 5 TOT" ***2022-2024***
University of Information Technology, VNU-HCM

THIRD PRIZE - TALENT CATEGORY OF BOSCH ACTIVATOR SCHOLARSHIP 2024 ***12/2024***
Bosch Global Software Technologies, HCM

ADDITIONAL EXPERIENCE

VOLUNTEERING

MEMBER OF UIT BOOK AND ACTION CLUBS ***2022-Current***
PARTICIPANT IN UIT SUMMER VOLUNTEER CAMPAIGN ***06/2022-07/2022***

TRAINING COURSES

SOFTWARE DEVELOPMENT WITH SCRUM ***11/2024***
COURSERA: CRASH COURSE ON PYTHON ***08/2024***
COURSERA: GOOGLE AI ESSENTIALS ***08/2024***

SPORT

THIRD PRIZE – MEN'S SINGLES AND MIXED DOUBLES – BOWLING ***10/2024***

SKILLS

Language: English (IELTS 6.5)
Programming: Python, R, SQL, Oracle, C/C++, JavaScript, Node.js, Kotlin
Frameworks & Libraries: Scikit-learn, TensorFlow, Keras, Pytorch, NumPy, Pandas, Matplotlib, Seaborn, Pyspark
S/w & Tools: Microsoft Office, Power BI, Canva, LaTeX, Notion, Docker