TRAN NGUYEN TIEN LOC

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WORK EXPERIENCE

TMA Solutions   **Sep 2023 – Dec 2023**

Python Developer - Intern

- Optimized Python codebase for better performance and maintainability.
- Implemented new API features (Django) to expand functionalities.
- Validated data using Deep Learning/Computer Vision (face and face mask detection).
- Maintained a smooth CI/CD pipeline.

PROJECT

Skin Cancer Image Classification

https://github.com/Junvildo/Skin_Cancer_Classification **(notebook version)**

https://github.com/Junvildo/Skin_Cancer_Classification_Module **(Python scripts versions)**

Skin cancer image classification through the application of machine learning techniques. The project's overarching objective is the precise categorization of skin cancer images, aiming to facilitate early detection and diagnosis.

- Utilizes the Skin Cancer Image Dataset with around 10000 high-resolution images of malignant melanoma and benign skin lesions.
- Utilizing transfer learning with EfficientNet for skin lesion classification to enhance performance by leveraging deep learning principles and discerning intricate patterns.
- Achieve model accuracy that consistently exceeds 90% on the test data.

EDUCATION

University of Science - VNUHCM   **2020 - Present**

BS, Majors in Data Science

SKILLS

Programming Languages	Python, C++, R, SQL
Database	SQLite3, PostgreSQL
Version Control	Git, GitHub
CI/CD	Docker, Jenkins
Data Science Tools	OpenCV, Scikit-learn, PyTorch, PyTorch Lightning
Languages	English
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