Contact

www.linkedin.com/in/ducnt9907
(LinkedIn)

Top Skills

BERT (Language Model)
Natural Language Processing (NLP)
Generative AI

Certifications

Generative AI LLMs
Machine Learning DevOps Engineer
IELTS 6.5

Honors-Awards

Third Prize in National Contest for
Young Students in Informatics
Third prize in Vietnam National
Olympiad In Informatics
Third Prize in Vietnam National
Olympiad in Informatics

Publications

AG-ResUNet++: An Improved
Encoder-Decoder Based Method for
Polyp Segmentation in Colonoscopy
Images
ColonFormer: An Efficient
Transformer Based Method for
Colon Polyp Segmentation

Duc Nguyen

AI Engineer
Hanoi, Hanoi, Vietnam

Experience

FPT Software AI Center
AI Engineer
July 2024 - Present (9 months)

• Developed and deployed defect detection solutions for components using
object detection and object segmentation algorithms.
• Communicated and presented solutions to clients in English.

TopCV Vietnam
AI Engineer
April 2022 - July 2024 (2 years 4 months)
Hanoi, Hanoi, Vietnam

• Developed and maintained a robust CV Parser System utilizing a multimodal
model. Trained model and analyzed results. Achieved a notable enhancement
in model accuracy, improving each field by at least 10%. Conducted research
to explore and experiment with innovative approaches.
• Researched, implemented and fine-tuned recommendation algorithms based
on matrix factorization.
• Extracted and normalized information from diverse resumes and job
descriptions using Named Entity Recognition (NER) models and rule-based
algorithms.

Viettel Aerospace Institute - VTX
AI Engineer
April 2021 - April 2022 (1 year 1 month)

• Implemented cutting-edge face detection and recognition algorithms on
Jetson TX2 for door opening control. Significantly improved the model's
performance by using TensorRT.
• Trained object detection models for thermal infrared images.
• Contributed to data annotation efforts by utilizing the CVAT tool for precise
labeling of thermal images. Ensured high-quality annotated datasets to support
object detection tasks.

Education

Hanoi University of Science and Technology

Bachelor's degree, Computer Science · (August 2017 - April 2022)