

Aeriel Nathen

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West Jakarta, Indonesia

Summary

Accomplished AI Research Engineer with proven experience in deep learning, computer vision, and author of “Tiny vs. Tinier: Baseline ViT-Tiny vs. Ensemble-Distilled Student on Imbalanced Fracture Detection” comparing performance of both base and ensemble-distilled student model of vit-tiny, achieved top 1 MCC +0.08 on the student model

Education

Binus University GPA: 3.65/4.00 <i>Bachelor of Science in Computer Science, Specialization in Intelligence Systems</i>	Jakarta, Indonesia Aug. 2023 – Feb 2027
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EXPERIENCE

OJKI - Research Assistant(Internship) <i>Otoritas Jasa Keuangan</i>	Aug 2025 – Aug 2025 Wisma mulia 2, Jakarta
Undergraduate Research Assistant <i>Binus University</i>	Jan 2025 – Present Anggrek Campus, Jakarta

Projects & Research

Paddy Leaf Image Classification Using EfficientNetB5 with Realistic Augmentation	July 2025 – Aug. 2025
• Accepted at the 2025 8th International Seminar on Research of Information Technology and Intelligent Systems (ISRITI).	

Tiny vs. Tinier: Baseline ViT-Tiny vs. Ensemble-Distilled Student on Imbalanced Fracture Detection	Feb. 2025 – May 2025
• Accepted in Procedia Computer Science (ICCS 2025) comparative analysis on base and ensemble distillation performance on imbalanced bone fracture dataset using vision transformer models.	

Brain Tumor Classification using EfficientNet-b1	Feb. 2025 – April 2025
• Developed a brain tumor classification system using transfer learning with EfficientNet-B1 on MRI/brain scan images.	
Staff Laziness Detection using Pose Detection system	Sep. 2024 – Nov. 2024

Activities

Freshmen Leader & Partner, Bina Nusantara University Jakarta, Indonesia	Aug. 2024 – Present
• This initiative is designed to empower new students by cultivating leadership skills early in their university journey. It provides opportunities to develop communication, teamwork, and project management abilities while encouraging proactive involvement in campus life.	
Peer Tutor <i>Independent</i>	Nov. 2023 – Present Jakarta, Indonesia

Certifications

Certifications	
• Kaggle Learn (2025): Computer Vision; Intro to ML; Intermediate ML; ML Explainability; Intro to Deep Learning; Data Visualization; Data Cleaning; Intro to AI Ethics.	

Technical Skills

Languages: Python, C

Computer Vision: Distillation, Ensemble, EfficientNet, ResNet, Vision Transformers, Grad-CAM

Machine Learning: NumPy, Pandas, SciPy, Scikit-learn, Matplotlib, OpenCV

Frameworks & Libraries: TensorFlow, PyTorch, Keras

Web Development: HTML, CSS, React

Developer Tools: Git, GitHub, Docker, MLflow, Weights & Biases, CI/CD Pipelines

Data Science & Analytics: Data Cleaning & EDA, Statistical Analysis, Imbalanced-class Sampling

Concepts: Data Structures & Algorithms

Languages

English (Intermediate)

Indonesian (Native)