

GABRIEL ASael TARIGAN

Lecturer in Artificial Intelligence - BINUS University, School of Computer Science

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EDUCATION

M.S. in Computer Science

Summa Cum Laude

[Bina Nusantara University, Jakarta, Indonesia](#)
Graduated with a GPA of 3.95.

B.S. in Computer Science

Best graduate

[Bina Nusantara University, Jakarta, Indonesia](#)
Graduated as the best student of the cohort.

EXPERIENCE

Lecturer, Artificial Intelligence Program

Present

[BINUS University, School of Computer Science](#)

Teach MLOps and AI courses; design and operate the program's production systems (ML competition platform, quiz portals, interactive teaching tools); research deep learning for time-series forecasting.

Curriculum Designer (5 courses authored, 2 co-authored)

2025 - Present

[BINUS University](#)

Authored the core AI curriculum: ML foundations, applied NLP, deep learning, MLOps, signal processing, and IoT and robotics, including full course outlines, assessment design, labs, and lecture series.

Machine Learning Operations (COMP6984001)

2026

[BINUS University, Graduate Program](#)

Graduate course on the lifecycle of production ML systems: experimentation, model serving, monitoring, and operational discipline.

Research: Parallelization of LSTM-GRU Architectures

2026

[BINUS Graduate Program, Master of Computer Science](#)

Hybrid LSTM-GRU architectures for multivariate stock price prediction, benchmarked against transformer-based comparators. Manuscript in preparation.

PUBLICATIONS

Parallelization of LSTM-GRU Architectures for Multivariate Prediction of Stock Prices

In preparation

[Gabriel Asael Tarigan, Eric Savero Hermawan, Abba Suganda Girsang](#)

Target: SINTA/Scopus/IEEE-indexed venue.

SKILLS

Programming: Python, SQLite, Bash

Deep Learning: LSTM, GRU, Transformers (PyTorch)

ML Systems and MLOps: FastAPI, uvicorn, systemd, cloudflared; self-hosted on a single VPS

Research and Writing: LaTeX, IEEE format, academic writing