

BRIAN MARCELLINO

Computer Science graduate | AI, automation, and full-stack systems

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Verify credentials: <https://brianmarcellino.com/verify>

HONORS

Best Paper Award - ITIS 2025 (IEEE 11th Information Technology International Seminar)

Mataram, Indonesia | October 9, 2025 | Cert # 596/UN63.7/TU/2025

Awarded for "A Comparative Study of Deep Learning Approaches for Apple Leaf Disease Classification".

Conference Presenter - IEEE ITIS 2025

October 8-9, 2025 | Cert # 615/UN63.7/TU/2025

EDUCATION

Bina Nusantara University (Binus) - Bachelor's Degree (S1) in Computer Science

Binus @Malang | 2022 - 2026 | Graduated August 2026 | GPA 3.73 / 4.00

Focus: Generative AI, Deep Learning, and Computer Vision. Active in ICIMTech, Icon-TINE, ITIS, ICIMCIS, ICAIDES.

EXPERIENCE

IT Lead / Full-stack Engineer - Metropolia Technologies

Indonesia | Remote | Feb 2026 - present

- Lead engineer for multi-tenant Orqest ERP (HR, finance, sales, attendance, tasks, inventory, portal) serving Metropolia and Midville tenants.
- Operate self-managed Linux production stack: nginx + Certbot, PM2, Docker, Postgres, n8n, Paperless-NGX, Grafana/Prometheus/Loki.
- Ship public properties: orqest.id, bisnispropertimalang.id, rukost.id.

Deep Learning Intern Researcher - Binus @Malang

Malang, Indonesia | Hybrid | Feb 2025 - Feb 2026

- CNN classifiers for apple fruit/leaf disease (peak 98.89% test accuracy); Flutter mobile integration (ManalagiCare).
- Co-authored 4 conference papers (ITIS 2025 x2 incl. Best Paper, ICIMCIS 2025, ICAIDES 2025).
- Four HAKI computer programs (DeCrop, AugmentKit, Lossion, Transparensify) under Yayasan Bina Nusantara.

Freelance Pixels Player (Web3) - Pixels (Ronin)

Remote | Jul 2024 - Mar 2025

- Play-to-earn optimization and automation tooling for daily quest loops.

Independent Gold Trader - Self-employed

Remote | Mar 2021 - present

- XAU/USD strategies with risk rules; forex-sentiment automation (basis for SenFlow).

PUBLICATIONS (SELECTED, IEEE-INDEXED)

A Comparative Study of Deep Learning Approaches for Apple Leaf Disease Classification

ITIS 2025 | Best Paper | 1st of 3 | DOI 10.1109/ITIS67966.2025.11308779

Improving Apple Fruit Disease Classification using InceptionV3 and Adam Optimizer

ITIS 2025 | 1st of 3 | DOI 10.1109/ITIS67966.2025.11309045

Lightweight Deep Learning Model Optimization for Apple Disease Classification Application

ICAIDES 2025 | 3rd of 3 | DOI 10.1109/ICAIDES67265.2025.11404049

Development of a Lightweight Mobile-Based Apple Disease Classification Model

ICIMCIS 2025 | 2nd of 3 | DOI 10.1109/ICIMCIS68501.2025.11327201

User Experience Evaluation of Duolingo using User Experience Questionnaire (UEQ)

ICIMTech 2023 | 4th of 4 | DOI 10.1109/ICIMTech59029.2023.10277886

Also: Icon-TINE 2024 papers (BotAGI forex robots; AR real-estate) - proceedings links pending DOI.

Full list: <https://brianmarcellino.com/publications>

REGISTERED HAKI (INDONESIAN COPYRIGHT)

Holder: Yayasan Bina Nusantara | filed 27 Nov 2025 | first published 21 Aug 2025, Malang

DeCrop - Reg # 001035471

AugmentKit - Reg # 001035470

Lossion - Reg # 001035477

Transparensify - Reg # 001035472

SELECTED PROJECTS

- Orquest ERP (2026) - multi-tenant production ERP | orquest.id
- Bisnispropertimalang.id (2026) - real-estate marketing site
- Rukost.id (2026) - dockerized kost marketplace
- ManalagiCare (2025) - on-device apple disease classification (Flutter + TFLite)
- DeCrop (2024) - YOLOv8 detect-and-crop CLI | github.com/shuura6661/DeCrop
- SenFlow (2025) - forex sentiment automation on n8n

More: <https://brianmarcellino.com/projects>

SKILLS (SELECTED)

TypeScript, Python, React, Next.js, Node.js, PostgreSQL, Prisma, Docker, nginx, PM2, TensorFlow, PyTorch, OpenCV, YOLOv8, Flutter, n8n, Grafana/Prometheus/Loki, Linux.

Course certificates (19) and conference honors with public proof: <https://brianmarcellino.com/verify>