

Giovanka Steviano Harry Premono

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PROFILE

Informatics graduate from Duta Wacana Christian University (GPA 3.74) with hands-on experience across the ML lifecycle, from preprocessing and feature engineering to model evaluation and deployment on Google Cloud Platform. First author of a Sinta 3 paper on an SVM-based trading strategy for IDX energy stocks, and builder of Sahamath, a live web toolkit for retail investors. Certified in Python (Pearson IT Specialist) and English (EF SET C1 Advanced).

EDUCATION

Duta Wacana Christian University – Bachelor of Informatics Yogyakarta
GPA: 3.74/4.00 Aug 2022 – May 2026

- **Thesis (published, Sinta 3):** built an end-to-end ML pipeline on 2015–2025 data for 14 IDX energy stocks, engineering features from 4 technical indicators and tuning SVM kernels (RBF, polynomial, sigmoid) via grid search; in backtests, 10 of 14 stocks returned a profit and average drawdown was 76% lower than buy-and-hold (10.64% vs 48.91%).

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka Studi Independen MSIB Batch 7
Cloud Computing Cohort Sep 2024 – Dec 2024

- Completed a 900+ hour program (Google Cloud Skills Boost & Dicoding), earning 15+ Google Cloud Skill Badges and the Google Cloud Computing Foundations Certificate.

PUBLICATION

Premono, G. S. H., Haryono, N. A., & Lukito, Y. (2026). Implementasi Trading Strategy pada Saham Sektor Energi dengan Support Vector Machine dan Indikator Teknikal [Trading Strategy for Energy Sector Stocks Using Support Vector Machine and Technical Indicators]. *Jurnal Informatika: Jurnal Pengembangan IT*, 11(2), 461–473. Sinta 3. doi.org/10.30591/jpit.v11i2.10379

EXPERIENCE

Teaching Assistant Aug 2025 – May 2026
Duta Wacana Christian University Yogyakarta

- AI for Trading (32 students, 90% pass rate): taught hands-on Python for building, training, and evaluating ML models, and mentored project teams from data preparation to final results.
- Investment Technology & Capital Market (22 students, 95% pass rate, Feb – May 2026): led discussions on ML applications in trading strategies, portfolio evaluation, and risk-return analysis.

PROJECTS

Sahamath – IDX Stock Toolkit | sahamath.vercel.app May 2026 – Present

- Built and launched solo a free web toolkit for retail IDX investors that pairs an AI stock analyzer with a market heatmap, a trading simulator, and 5 trading calculators, turning pain points from retail investor communities into working features.

DutaShell – Expert System Research Collaboration Sep 2025 – Dec 2025

- Worked with faculty researchers to add an SVM classifier to a web-based expert system alongside its existing similarity-based methods, including cosine and hybrid similarity, expanding it from 3 to 4 inference methods.

SweetTrack – Diabetes Risk Detection (Bangkit Academy Capstone) Oct 2024 – Dec 2024

- Co-built and deployed the backend on Google Cloud Platform (Compute Engine, MySQL, Cloud Storage) that serves a diabetes risk-detection ML model to an Android app via REST API, while leading the 6-person mobile, cloud, and ML team as Project Manager to ship within the 8-week capstone deadline.

CERTIFICATION

- Dicoding – Machine Learning for Beginners Jun 2026
- Pearson – IT Specialist: Python Apr 2026
- IBM – Data Classification and Summarization Using IBM Granite Jun 2025
- Dicoding – Applied Machine Learning with Google Cloud Nov 2024

SKILLS

Machine Learning : SVM, Random Forest, Decision Tree, KNN, Feature Engineering, Hyperparameter Tuning, Model Evaluation, Backtesting
Data Science : Statistical Analysis, Data Preprocessing, Data Visualization, Power BI
Programming & Deployment : Python (pandas, scikit-learn), SQL, Google Cloud Platform, REST API, Node.js, Git/GitHub