

RIZKY ANANDA PUTRA

Informatics Engineering | Machine Learning & Data Science
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PROFESSIONAL SUMMARY

Informatics graduate from Universitas Nusantara PGRI Kediri who has completed the final thesis defense and all core academic requirements, currently awaiting yudisium. Builds and deploys machine learning and data science projects with Python, spanning text classification, deep learning, decision support systems, and expert systems, several delivered as live Streamlit applications. Co-authored three scientific articles presented at national academic seminars and published in campus conference proceedings, including one derived from thesis research. Seeking an entry-level role in data science or machine learning.

EDUCATION

Bachelor's Degree, Informatics Engineering — Universitas Nusantara PGRI Kediri 2022 – 2026

- GPA: 3.90/4.00.
- Completed final thesis defense and all core academic requirements; currently awaiting yudisium.
- Relevant coursework: Machine Learning, Modeling and Simulation, Web Development, Game Development.

EXPERIENCE

Data Assistant (Internship) — Dinas Komunikasi dan Informatika Kabupaten Kediri Feb – Mar 2025

- Collected, cleaned, and organized statistical data for regional information systems
- Prepared statistical reports and visualizations for internal use and applying basic government data management standards.

PROJECTS

Health Misinformation Detection for Indonesian Text — Bachelor Thesis 2025 – 2026

- SVM text classifier with back-translation augmentation and TF-IDF (up to 97.5% accuracy); deployed via Telegram chatbot for real-time myth/fact checking. Python, Scikit-Learn.

Deep Learning Heart Disease Diagnostic System Using TabNet 2025

- End-to-end TabNet pipeline on a 3,235-record clinical dataset with IQR outlier handling, validated via 5-Fold Stratified CV (70.88% macro-accuracy, 75.83% recall); deployed on Streamlit. Python, PyTorch.

Machine Learning Final Project (Streamlit App) 2024 – 2025

- Deployed app comparing SVM, Logistic Regression, and Perceptron across 3 Kaggle datasets with Grid Search tuning (up to 96.5% accuracy).

Decision Support System for Medical Licensure Evaluation 2025

- Web-based MCDM/AHP system ranking licensure compliance across 12 sub-criteria, with consistency ratio verification ($CR \leq 0.10$); Python, Streamlit, MySQL.

Expert System for Sleep Disorder Risk Diagnosis 2025

- Rule-based expert system covering 33 symptoms across 4 categories, using hybrid forward/backward chaining with Certainty Factor scoring; deployed on Streamlit with MySQL backend.

PUBLICATIONS

- Klasifikasi Teks Mitos dan Fakta Kesehatan Menggunakan Algoritma Random Forest dengan Optimasi Class Weight — SEMNAS INOTEK, 2026 (first author, with thesis supervisors)
- Transformasi Komunikasi Publik Kelurahan Bawang melalui Pengembangan Skill Infografis Remaja — NCCE, 2026 (first author, with teammates and field supervisor)
- Sistem Klasifikasi Emosi Kucing Menggunakan SVM dan Strategi Augmentasi Data — STAINS, 2026 (first author, with one co-author)

SKILLS

- Programming: Python, Machine Learning, Deep Learning, Data Science, Data Analytics, Artificial Intelligence
- Tools: Scikit-Learn, PyTorch, TabNet, Streamlit, MySQL, TF-IDF, Godot Engine (GDScript)
- Other: Web Development, Logic Programming

CERTIFICATIONS

- Cisco:** Python Essentials 1, Data Science Essentials With Python, Data Analytics Essentials, Introduction to Data Science, Introduction to Modern AI
- Dicoding Indonesia:** Belajar Dasar Data Science, Memulai Pemrograman dengan Python, Membangun Aplikasi Gen AI dengan Microsoft Azure, Belajar Penerapan Data Science dengan Microsoft Fabric

ORGANIZATIONAL EXPERIENCE

Event Division Member & Article PIC — Community Service Program (KKN), Universitas Nusantara PGRI Kediri Jan – Feb 2026

- Supported event planning for a community service program in Kelurahan Bawang and served as Person in Charge (PIC) for the article documenting a graphic design/photography training program, later presented at NCCE.

Languages

- Indonesian (Native or bilingual proficiency)
- English (Professional working proficiency)