Riantama Putra

Bandung, Indonesia | riantamaputra751@gmail.com | +62 896-5605-4453
GitHub | LinkedIn | Personal Website

Professional Summary

AI/ML Engineer and Data Scientist studying Information Systems at **ITB** and serving as an **AI Laboratory Assistant**. Builds computer vision and tabular ML pipelines with **foundation models (DINOv3, TabPFN, TabICL)**, gradient boosting, and leak-free validation, winning **3 first places among 5 podium finishes** in national and international data competitions, and ships models behind tested APIs.

Education

Institut Teknologi Bandung (ITB) — Bandung, Indonesia
Bachelor of Information Systems and Technology — GPA 3.34/4.00 — *Sep. 2024 – Aug. 2028 (Expected)*

Experience

Laboratory Assistant — Aug. 2026 – Present
Artificial Intelligence Laboratory, STEI ITB — AI, ML & Data Science Lab — *Bandung, Indonesia*
- Assist **4 courses**: Computational Logic, Fundamentals of AI, Artificial Intelligence, and Machine Learning.
- Write assignment and practicum specifications, proctor practicums, quizzes, and exams, and run Q&A sessions.
- Passed a **3-stage selection**: Prolog, **ML from scratch in NumPy**, and multimodal classification.

Data Science Mentee — Jul. 2026 – Sep. 2026
COMPFEST 18 Academy — Selective Bootcamp by Universitas Indonesia — *Indonesia*
- Selected from **4,400+ applicants** by solving a soil organic content regression case with a tree-based ensemble.
- Won **Best Case Study Team** with *Awas Api*, an AI wildfire early-warning platform predicting H-1 hotspot surges.

Achievements

[National] 1st Place — FIK FAIR 2026 Data Science, UPN Veteran Jakarta | ECHO — Nov. 2026
- Combined **TabICLv2 and TabPFN-3.5** with row-order residual correction, cutting **CV RMSE from 7.23 to 3.02**.

[National] 1st Place — INFEST XII 2026 Data Science | SCRIBE — 2026
- Built a two-expert **DINOv3 ViT-L** model classifying **7 Nusantara scripts** from page and line images.

[National] 1st Place — BDC Statistics Explore 2026 | GRIT — 2026
- Fine-tuned **DINOv3 ViT-7B** on 17K disaster photos with leak-free CV, ranking **#1 on private leaderboard**.

[National] 2nd Place — DATASCAPE 2026, Telkom University | RESI — 2026
- Cleaned noisy labels with confident learning and fine-tuned **DINOv3 ViT-7B** to classify package condition.

[International] 3rd Place — PRS ITS 2026 Data Analysis Competition | RETAIN — 2026
- Built a calibrated **gradient-boosting ensemble** for life-insurance churn that caught **92% of churners** on holdout.

Projects

Applied ML Competitions | *PyTorch, DINOv2, ConvNeXtV2, LightGBM, SHAP* — Mar. 2026 – Present
- Placed 4th at HOLOGY 9.0, 5th at IFEST, 7th at RASIO 10.0, 13th at Find IT!, and reached the Datathon semifinal.
- Covered segmentation, forecasting, face anti-spoofing (DINOv2 + ConvNeXtV2 fusion), and child-growth risk ranking.

HR & People Ops Command Center | *Multi-Agent AI, FastAPI, Next.js, PostgreSQL, Docker* — Aug. 2026
- **[International] Grand Finalist, AutoPilot Asia Hackathon 2026** (APAC-wide, finals in Kuala Lumpur).
- Planned and integrated a **multi-agent HR system** (**2-person team**) with a CI pipeline running **58 passing tests**.

BelajarDuluDek | *LLM APIs, Next.js, TypeScript, Prisma, PostgreSQL* | Live — May – Jun. 2026
- Built and deployed a study platform using **Gemini and Claude APIs** to generate summaries, flashcards, and tryouts.

Volunteer

Backend Lead — Sep. 2026 – Present
AIAA ITB — Internal ERP Website (Next.js, NestJS) — *Bandung, Indonesia*
- Lead a **3-person team** building the **NestJS + PostgreSQL** API (**7 modules, 38 endpoints**) and its RBAC.
- Covered the API with **175+ unit and e2e tests** and **GitHub Actions CI**, deployed on Vercel + Neon.

Technical Skills

Languages: Python, SQL, TypeScript, Java, C
ML & Deep Learning: PyTorch, Hugging Face Transformers, scikit-learn, LightGBM, XGBoost, CatBoost, TabPFN, SHAP
Computer Vision: DINOv2/v3, Vision Transformers, ConvNeXtV2, segmentation, image classification
Data: Pandas, NumPy, Matplotlib, PostgreSQL, Kaggle (GPU notebooks)
Engineering & MLOps: FastAPI, NestJS, Docker, GitHub Actions (CI/CD), Git, Linux, Vercel