

DAFFA FIRDAUS

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AI Product Engineer

SUMMARY

Experienced in building **ML/AI systems**, including **LLM integrated websites, recommendation systems, value predictors** (regression/clustering), and **text classifications**. Leverage '**vibe-coding**' tools and workflow automation platforms to turn concepts into deployed SaaS products **in record time**. Ranked **top-20** in a **national mathematics competition** for college-level (ONMIPA-PT 2024), competing against **1200+** participants nationwide.

SKILLS

AI Tools	LLM (OpenAI, Gemini, Claude, MiniMax) APIs, n8n, LangChain, LangGraph, Hugging Face, Vibe-coding tools (Claude Code, OpenCode, Codex, Lovable)
Full Stack	React, Tailwind CSS, TypeScript, JS, Python, SQL, AWS, Supabase, Vercel, PostgreSQL, ChromaDB, GitHub, Git
Technical Skills	Exploratory Data Analysis, Data Cleaning, Machine Learning, NLP, RAG, LLM, Prompt Engineering, Tool Documentation Understanding
Languages	English (Advanced), Indonesian (Native)

PROJECTS

- **Staffinc Santa:** Developed an internal data validation platform to enable non-technical teams to automate repetitive validation workflows independently. Shipped MVP in a month.
Tools: n8n, Lovable, Supabase.
- **System Logs Classification System:** Developed a log classification pipeline using hybrid approach (BERT + LLM) to optimize efficiency. Obtained 97% classification accuracy with optimized cost.
Tools: Python, Pandas, Hugging Face Transformer, Scikit-learn, OpenAI API, FastAPI.
- **Solaria Personalized Menu Recommendation System:** Implemented a personalized menu recommendation system using SVD technique based on user previous ratings.
Tools: Julia and its libraries (DataFrames, LinearAlgebra, BenchmarkTools).
- **Telegram Automated Chatbot for FnB Business:** Developed a telegram chatbot that answers customer questions about stocks and products instantly and automatically, integrated with API to give real time stocks.
Tools: n8n, Qdrant, Telegram Bot API, AI Agent.
- **Life Expectancy Predictor:** Built a multiple linear regression model derived from statistical analysis to identify key factors influencing life expectancy. Achieved an adj. $R^2 = 0.659$ for the best-performing model.
Tools: R and its statistical libraries.

EXPERIENCES

AI Automation Engineer – Jakarta, Indonesia Staffinc Group Internship	Nov 2025 – Present
• Initiated and developed an internal data validation platform, enabling non-technical teams to automate repetitive validation workflows independently.	
• Built automation workflows using n8n to streamline repetitive data entry/data validation tasks, reducing manual work by about 26 hours per month.	
AI Agent Trainer – Remote SoftAge Information Technology Limited Freelance	Aug 2025 – Dec 2025
• Trained AI agent systems by performing diverse digital tasks based on text prompts to guide model learning.	
Math Logical Teacher – Jakarta, Indonesia SD Islam Tugasku Contract	Jul 2025 – Sep 2025
• Tutored elementary school students in math olympiad topics.	
Mathematics Tutor – Bogor Regency, Indonesia Gugus Mahasiswa Matematika IPB Contract	May 2024 – Oct 2024
• Tutored fellow mathematics students on math subjects: Real Analysis and Cryptographic Mathematics.	

COMPETITION

Honorable Mention in Mathematics at ONMIPA-PT 2024

Ranked top-20 in a national mathematics competition (ONMIPA-PT 2024), competing against 1,200+ participants nationwide. Issued by Kemdikbudristek, Puspresnas, and BPTI.

CERTIFICATIONS

- IBM Machine Learning with Python & Scikit-learn, IBM.
- Large Language Model Operations (LLMOps), Duke University.

EDUCATION

Institut Pertanian Bogor (IPB University) - Bogor Regency, Indonesia
Bachelor of Mathematics, 3.66/4.00

Aug 2021 – Jun 2025