Vanny Minanda

DATA SCIENTIST

SKILLS

- Microsoft Azure
- Machine Learning & AI (ETL Pipelines, Scikit-learn, PyTorch, Keras), NLP
- Big Data Analysis (Pandas, Polars, PySpark)
- Database Management (SQL, BigQuery, PostgreSQL, MongoDB)
- Data Visualization (Tableau, Power BI)
- Version Control System (Git, Github)
- Metaheuristic Algorithms for optimization
- Automation Tools (n8n, Langflow)

LANGUAGES

English

Indonesia

Chinese

ABOUT ME

I hold a PhD focused on algorithm optimization, data analysis, and programming. I specialize in AI, data science, and Microsoft Azure, with hands-on experience in data sourcing, database management, and algorithm tuning.

EDUCATION

2019 - 2024
Doctoral in Industrial Engineering
Yuan Ze University, Taiwan

2017 - 2019
Master in Industrial Engineering
Yuan Ze University, Taiwan

EXPERIENCE

2024 | Post-doctoral research fellow
Optimizing Medical Staff Scheduling and Routing for Homecare in Taiwan

2022 - 2024 | Goverment-funded project
Built an IoT-based monitoring system for hospital waste with real-time tracking, route optimization and web dashboard integration.

2022 - 2024 | Goverment-funded project
Developed an automated system for optimizing hospital waste collection routes in real-time

2021 - 2022 | Academic–Industry Project
Developed an AI-driven Python application to forecast demand for apparel suppliers using real historical data from an Adidas supplier in Taiwan, accounting for COVID-19–related supply chain fluctuations.

CONTACT

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