

Hanifan Rizki Nurahman

Debrecen, Hungary

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Summary

A statistics graduate with four years of experience in information and technology consulting. Specialized in machine learning, cloud computing, and data governance.

Work Experience

IBM Indonesia

Jakarta, Indonesia

Application Developer - Data & AI

Jun 2024 – July 2025

1. Developed a generative AI platform with RAG system, AI Monitoring, and fine-tuning system for Watsonx, Gemini, OpenAI, and open source LLM.
2. Developed backend services and container deployment to OpenShift clusters.

Jasa Teknologi Informasi IBM

Jakarta, Indonesia

Lead Data and AI Services JTI

Nov 2023 – May 2024

1. Led a team of 7 people for data and AI-related solutions, such as data migration, data platform, and AI.
2. Led the development team to develop a Web Application solution for a government entity, involved in the system design, prototyping, and security measures, and presented it to the client.
3. Implemented a Unified Data Platform with IBM Cloud Pak for Data on top of a private OpenShift cluster to solve data governance issues in one of the Ministries in Indonesia.
4. Developed an OCR solution to automate building permit data extraction using Tesseract, OpenCV, Flask API, and Docker for a government office client.

Jasa Teknologi Informasi IBM

Jakarta, Indonesia

Data Specialist

Aug 2021 – Oct 2023

1. Led a team of 3 people to manage, operate, and support the Data Warehouse, Data Visualization, AI, and RPA Platform.
2. Increased average monthly airflow uptime from 82% to 99% by optimizing the ETL script and utilizing RPA to detect downtime and recovery automatically.
3. Speed up the data extraction process by 3 times by refactoring the ETL script in Python, SQL, MongoDB, Airflow, and ELK stack.
4. Designed data governance that covers end-to-end data processes from various data sources to data visualization platforms.

Education

University of Debrecen

Debrecen, Hungary

Master of Data Science

Sep 2025 – Present

Stipendium Hungaricum Scholarship holder.

Universitas Padjadjaran

Bandung, Indonesia

Bachelor of Science in Statistics

Aug 2017 – Mar 2021

Final grade: 3.35 / 4.00. Thesis: Longitudinal Data Analysis Incident Rate of Pneumonia in Toddlers in Bandung City Using Generalized Estimating Equation.

Publications

Applied a feed-forward neural network and Facebook Prophet model for train passenger forecasting

Comparing the Feed Forward Neural Network (FFNN) and Facebook Prophet models to forecast PT KAI train passenger numbers reveals the presence of seasonal patterns with both fixed and random periods from 2006 to 2020. **IOP Publishing 2021** [[link](#)]

RS Pontoh, S Zahroh, HR Nurahman, RI Aprillion, A Ramdani, DI Akmal

Skills

Programming Language

Python, Rust, Golang, R

Programming Library

TensorFlow, Pytorch, Scikit-learn, Pandas, NumPy, Flask, Qiskit, Axum

Development Tools

PostgreSQL, MongoDB, ELK Stack, Airflow, IBM Cloud, Docker, OpenShift, Git

Projects

CaptionMe!

2020

Built a website app using Flask that can automate image captioning by utilizing the TensorFlow library to build a CNN and LSTM model using ResNet50 and GloVe neural network architecture for the Flickr8K data.

Volunteering Activity

Google Bangkit Academy

Remote

Mentor

May 2022 – Dec 2024

Contributed to 4 batches of Bangkit Academy and facilitated 25 teams with over 100 students by sharing experience in machine learning and product development. One of the teams got funding from Google and the Ministry of Research, Technology, and Higher Education of Indonesia.

IBM Qiskit

Remote

Team Leader Qiskit Textbook Translation for Bahasa Indonesia

May 2022 – Jul 2023

Conducted enablement sessions for new Indonesian translators, translated and proofread the Qiskit Textbook. Have personally translated over 25,000 words.

Certifications

IBM Certified Advocate – Cloud v2, Proficient in cloud infrastructure and services on the IBM Cloud platform. [\[link\]](#)

Qiskit Localization Contributor - Platinum Level Translator – 2022, Translated 25,000 words of Qiskit Textbook. [\[link\]](#)

Enterprise Design Thinking – Team Essentials for AI, Proficient in using Design Thinking to design AI systems. [\[link\]](#)

IBM Agile Achiever, Achieved 100 hours of giveback to the Agile community and 2000 hours in the Agile team. [\[link\]](#)