Abdurrahim Ramadhan Idin

ramaabbyll.com | ramaabbyll@gmail.com | LinkedIn | +62 821 4772 6866 | Bogor, Indonesia

A professional Data Analyst with hands-on expertise in advanced SQL, Google BigQuery, and Python for data automation. Experienced in engineering end-to-end automated reconciliation pipelines for B2B clients in high-volume data environments. Skilled in transforming complex transactional, settlement, and banking data into reliable, actionable insights to improve financial accuracy.

Work Experience

Data Analyst (Data Modeller) | Match Made | Apr 2025 – Present

- Engineered an end-to-end automated reconciliation pipeline, significantly reducing manual processing time for B2B clients.
- Analyzed complex transactional data from diverse sources including POS, payment switchers (Artajasa, Alto), payment gateways (Xendit) and corporate banking records (settlement and statements/mutations from BCA, BRI, BNI, BTN).
- Developed an automated reconciliation pipeline for retail clients (Pizza Hut) to reconcile the complete transaction-to-statement, matching transaction, settlement, and statements data to improve reconciliation time.
- Developed an automated reconciliation pipeline for fintech clients (Bank Neo Commerce) to validate data integrity between the core banking system and payment switcher records using advanced SQL in Google BigQuery.

Machine Learning Engineer Intern | Braincore.id | Sep 2024 – Nov 2024

- Developed and optimized a computer vision model for a liveness detection project, deploying it in TensorFlow Lite (TFLite) for efficient on-device mobile performance.
- Built a data preprocessing pipeline to collect and ensure the quality of a large-scale image dataset, improving model training stability.
- Collaborated with the engineering team to test, evaluate, and document model performance, contributing to project milestones. Project Report Documentation

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Education

IPB University | Bogor, Indonesia | Aug 2021 – Jul 2025
Bachelor of Computer Science | Faculty of Mathematics and Natural Science

- CGPA: 3.19 / 4.00
- **Final Project Research:** Corn Varieties Identification using Convolutional Neural Network (CNN).
- **Relevant Coursework:** Data Mining, Artificial Intelligence, Statistics and Data Analysis, Algorithm Analysis, Database Systems, Digital Image Processing.

Highlight Projects

VIORAMA-AI: LLM-Powered virtual assistant | [Viorama.site, HAKI]
- Developed a web application that assists users by answering questions related to the UIN SUKA library, performing deep paper searches, and analyzing relevant research papers according to user needs using the Gemini LLM API.
- Tech Stack: Python, Flask, Google Gemini API.

Ram-AI: LLM-Powered Website Generator | [tsukiram/ram.ai]
- Developed a web application that converts text prompts into complete HTML, CSS, and JavaScript websites using the Gemini LLM API.
- Tech Stack: Python, Flask, Google Gemini API.

Plant Detection CNN | [documentation]
- Built and trained a CNN model in TensorFlow to identify four plant types (corn, cotton, rice, wheat) with 90% accuracy.
- Tech Stack: Python, TensorFlow, Keras, Pandas.

Skills

- **Programming Languages:** Python, SQL
- **Data Science & ML:** Machine Learning, Deep Learning (CNN), NLP, Pandas, NumPy, TensorFlow, Keras
- **Databases & Big Data:** Google BigQuery, MySQL
- **Tools & Platforms:** Git, Google Cloud Platform (GCP)
- **Soft Skills:** Data Storytelling, Analytical Thinking, Problem Solving, Team Collaboration