

Arik Rizki Akbar

Bandung

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Summary

A Bachelor's degree graduate in Computer Science with Cum Laude predicate from Universitas Pendidikan Indonesia, with a strong foundation in Cloud Computing through Bangkit Academy. Enthusiastic about leveraging data and cloud technologies to uncover insights, optimize processes, and support data-driven decision-making. Passionate about continuous learning, collaboration, and building scalable solutions that drive digital transformation and business value.

Education

Bachelor of Computer Science

Universitas Pendidikan Indonesia
2020 - 2024, GPA 3.76

Experience

- **Ministry of Energy and Mineral Resources (ESDM)**

Data Entry & Vericator | October 2024 - December 2024

- Oversaw the complete data processing workflow from collection to entry for over 15,000 AML grant recipients in collaboration with PT Pos Indonesia and PT PLN.
- Cleaned and standardized datasets to ensure consistency, reducing data entry errors by over 95%.
- Entered and updated an average of 1,000+ records daily, maintaining a near zero-error rate.
- Conducted thorough data validation and discrepancy resolution, supporting accurate and timely government subsidy distribution.

- **Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka**

Cloud Computing Cohort | February 2023 - July 2023

- Specialized in Cloud Computing, gaining practical skills in JavaScript, backend development, DevOps, and Google Cloud services.
- Completed the Associate Cloud Engineer learning path and passed the certification exam.
- Built and deployed a capstone project called Diagnese, a Flask-based ML API hosted on Google Cloud Run with CI/CD and Docker integration.
- Strengthened key soft skills such as critical thinking, communication, and time management through team collaboration and mentoring sessions.

Licenses & certifications

- **Google Data Analytics Professional Certificate – Coursera**

Credential ID: DXKKM1DEKA0T | Issued: May 2025
Comprehensive training in data cleaning, analysis, R programming, and data visualization for business insights.

- **Associate Cloud Engineer – Google Cloud**

Credential ID: d0955ecd597d4d5bb7ff72a9988cd167 | Issued: Dec 2023 | Expires: Dec 2026
Validated ability to deploy, manage, and monitor cloud solutions on Google Cloud Platform.

- **Google IT Support Professional Certificate – Coursera**

Credential ID: ZKT3EPBHUC6L | Issued: July 2023
Gained foundational knowledge in systems administration, networking, troubleshooting, and security.

Projects

- **Diagnese App - Bangkit Academy Capstone**

May 2023 - June 2023

- Developed a RESTful API using Flask for symptom-based diagnosis with machine learning.
- Deployed on Google Cloud Run for a scalable and serverless architecture.
- Implemented Docker & CI/CD with Google Cloud Build for seamless deployment.

- **Digital Waste Bank Management System**

July 2023 - September 2024

- Collected and structured transaction data from community waste banks using Google Forms and Sheets.
- Cleaned, transformed, and visualized operational data in Looker Studio to track user behavior and waste trends.
- Designed dashboards to support decision-making in waste point distribution and reward policies.
- Automated data workflows using Google Apps Script for real-time updates.

- **Cyclistic Bike-Share Analysis – Google Data Analytics Capstone**

May 2025

- Analyzed user behavior to identify key differences between casual riders and annual members.
- Identified patterns in ride frequency and duration that could inform targeted marketing efforts.
- Provided actionable recommendations to convert casual riders into long-term, loyal members.

- **Sales Analysis Case Study – RevoU Mini Course**

April 2025

- Analyzed global retail sales data using BigQuery for efficient data extraction, aggregation, and trend analysis.
- Leveraged SQL queries in BigQuery to uncover insights related to sales, product performance, and regional variations.
- Visualized key findings using Python (Pandas, Matplotlib, Seaborn) to present actionable insights for sales and inventory decisions.

- **Twitter Sentiment Analysis – NLP & Machine Learning Project**

April 2025

- Built an NLP pipeline to classify tweet sentiment using ML models and Transformers.
- Preprocessed Twitter data and analyzed engagement (likes, retweets) across sentiment categories.
- Conducted statistical tests (Kruskal-Wallis, Dunn's) to validate findings.
- Visualized results using word clouds, sentiment plots, and scatter plots.

- **Customer Behavior Analysis & Segmentation – Retail Dataset**

April 2025

- Analyzed over 100K retail transactions to segment customers using RFM metrics.
- Applied K-Means clustering and PCA to identify distinct behavioral groups.
- Generated insights on customer loyalty, high-value shoppers, and re-engagement targets.
- Delivered recommendations for targeted campaigns and retention strategies.