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 & Verificator | 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

- **<u>Diagnese App - Bangkit Academy Capstone</u>**

  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.

- **<u>Digital Waste Bank Management System</u>**

  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.

- **<u>Cyclistic Bike-Share Analysis – Google Data Analytics Capstone</u>**

  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.

- **<u>Sales Analysis Case Study – RevoU Mini Course</u>**

  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.

- **<u>Twitter Sentiment Analysis – NLP & Machine Learning Project</u>**

  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.

- **<u>Customer Behavior Analysis & Segmentation – Retail Dataset</u>**

  April 2025
    - Segmented 100K+ retail customers using RFM metrics and K-Means clustering, identifying key groups driving 47.7% of revenue.
    - Highlighted high-loyalty segments with 1.34x purchase frequency, informing targeted retention and upsell campaigns.
    - Recommended strategies projected to boost revenue by up to 15%, including reactivation of dormant customers and upselling big spenders.

Skills: Python, SQL, R, Google BigQuery, Looker Studio, Tableau, Excel, Google Cloud Platform, Flask, Docker, Git, Jupyter, Machine Learning, NLP