AHMAD FATHONI A.

Jakarta, Indonesia · ahmadalpadani26@gmail.com · +6285362069242 · Linkedin · Github

SUMMARY

I am a data-driven researcher with over two years of experience in startups and NGOs, specializing in advanced data analysis. I am currently transitioning to become a data engineer at Alterra Academy, where I am gaining hands-on experience in data processing using tools such as Airbyte, BigQuery, PostgreSQL, Python, Airflow, Kafka, Data Build Tool (DBT), Redpanda, and Looker Studio. My expertise in these tools enables me to design, develop, and optimize data pipelines, ensuring seamless data flow and accessibility for analysis. I have successfully designed and implemented ELT and ETL pipelines, built infrastructure for stream pipelines, and increased pipeline automation by almost 60% using Apache Airflow. My skills and experience make me well-equipped to tackle complex data challenges and drive impactful data solutions.

TECHNICAL SKILLS

- **Languages** : Python, SQL.
- **Technologies** : Airbyte, Bigquery, Apache Airflow, Data Build Tool (DBT), Docker, Kafka, Looker Studio.
- **Other** : Algorithms, Data Structures, Computational Complexity, Advance Problem Solving.

WORK EXPERIENCE

Alterra Academy   **January 2024 - Present**
Data Engineer - Immersive Program   Remote

- Design and implement ELT/ETL Data Pipeline to combine data from various sources into a centralized data warehouse
- Developed Python scripts for data processing logic and carried out the deployment process using Docker for containerization
- Create data visualizations to provide insights for business decision making needs with data visualization tools such as Power BI and Looker Studio
- Using technologies like Airbyte for data extraction, BigQuery for the data warehouse, and DBT for model building and data transformation.

   Project:

- **Tech Gear** (Product Recommendation System): Developed a product recommendation system for Tech Gear to enhance customer satisfaction by analyzing user behavior data, such as product views and cart additions. Implemented an ELT pipeline using Airbyte for data ingestion, BigQuery for data warehousing, and DBT for data transformation and testing. Automated the ingestion and transformation processes with Apache Airflow, and utilized Looker Studio for data analysis. This comprehensive pipeline enabled Tech Gear to gain valuable insights from user behavior data, resulting in accurate and effective product recommendations and improved customer satisfaction. Github.

Foreign Policy Community of Indonesia (FPCI)   **June 2023 - Present**
Research and Project Officer   Jakarta, Indonesia

- Established a planning framework and conducted impact surveys involving 21 religious leaders and 1,200 respondents across several countries.

- Developed 20 concept notes and 3 research reports to support the program's implementation and success.
- Managed Indonesia's largest overseas conference "CIFP 2023" with over 17,000 participants.
- Initiated and managed a writing competition on tolerance and religious freedom, attracting over 1,000 students and securing 500 million rupiah in funding from the United States government.
- Planned and managed 12 international public discussions attended by over 1,300 participants.

Salam Qurban   **February 2022 - February 2023**
Research and Development Officer   Jakarta, Indonesia

- Developed and refined company strategy through comprehensive data analysis.
- Assisted management in crafting the business roadmap to enhance overall efficiency.
- Produced two detailed business reports to guide the development of new website features.

EDUCATION

Universitas Pelita Harapan   **Januari 2024 - Januari 2028**
Bachelor, Information of Technology

Imam Muhammad Ibn Suud Islamic University   **June 2018 - June 2020**
Diploma, Arabic Art and Literature

- 4/4 semesters, 92,82/100 GPA cumulative.

ORGANIZATION ACTIVITIES & LEADERSHIP

KSEI AkSES LIPIA   **January 2022 - December 2022**
Head of Research and Development Department

- Led and coordinated a team of 7 members to execute research and development work programs.
- Established the first career club on campus, "Lipia Career Center," attracting over 150 registrants.
- Initiated and conducted the first alumni tracer study on campus with 50 respondents.
- Founded the first research club on campus, "AkSES Research Club," with over 50 members.

Sharia Economic Hackathon   **August 2021 - December 2021**
Event Manager Division Coordinator

- Initiated Indonesia's first sharia economic-themed hackathon.
- Supervised and coordinated the Event Manager divisions, collaborating with over 60 team members.
- Managed an event attended by over 500 participants, ensuring smooth execution and high engagement.

CERTIFICATION

- SQL Intermediate (Issued by HackerRank Jul 2024).

LANGUAGE

- Bahasa (Native)
- English (Professional Working Proficiency)