

# Akhmad Thalibar Rifqi

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## EDUCATION

### Politeknik Elektronika Negeri Surabaya

Bachelor of Engineering, Computer Engineering

June 2017 – August 2021 (GPA 3.52)

## WORK EXPERIENCE

### PT. Behaestex

Gresik, East Java (Jul 2023 – Present)

#### Full-time Data Engineer

- Developed batch data pipelines using Apache Airflow to orchestrate complex workflows across multiple databases, supporting both production systems and reporting needs.
- Implemented ClickHouse as the central data warehouse for OLAP workloads, significantly improving query performance on large-scale datasets.
- Transformed raw operational data into analytics-ready models using dbt, enabling cleaner and faster reporting for both strategic and daily use cases.
- Reduced data processing time and cost by up to 73% through optimized incremental models in dbt.
- Built and maintained self-service dashboards in Metabase to monitor key business and production metrics, increasing data accessibility across departments.

### Viberate

Remote (Nov 2021 – Apr 2022)

#### Part-time Data Entry

- Created a new artist page within the music database and conducted a thorough review of existing artist data to eliminate broken links, duplicates, and inaccuracies

### PT. Jatim Autocomp Indonesia

Pasuruan, East Java (Jan 2020 – Apr 2020)

#### Internship Software Engineer

- Upgraded from paper based to web and android apps for problem reporting
- Implemented push notification features within web and android applications to enhance communication between the production and technician teams, enabling faster issue resolution and reducing downtime
- Developed a monitoring system for real-time problem tracking and empowering managers with insightful dashboards to make data-driven decisions

## TECHNICAL SKILLS

Metabase, Linux Ubuntu, Docker, PostgreSQL, MySQL, Clickhouse, Apache Airflow, dbt, Python, SQL, GitLab, Google Cloud Platform

## PUBLICATIONS

"Fuzzy Social Force Model for Healthcare Robot Navigation and Obstacle Avoidance," 2021 International Electronics Symposium (IES) - Hybrid at Sheraton Hotel Surabaya

## AWARDS AND VOLUNTEERING

- Best Paper Award, 23rd International Electronics Symposium - 2021
- 2nd Place in IoT Competition MAGE 4, Institut Teknologi Sepuluh Nopember - 2018

- Chief Committee in Financial Technology and Blockchain Seminar, Student Union of Computer Engineering and Indodax - 2019
- Chief Committee in Charity Program for Medokan Semampir Village Surabaya, Student Club for Islamic and Spiritual Activities PENS - 2018