

SHEFIYYAH AURELLIA WAHYUDI

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EXECUTIVE SUMMARY

I am Fresh Graduate from Computer Science at UIN Syarif Hidayatullah Jakarta with strong passion in technology, Data Science, Data Engineer, AI, and machine learning. Enthusiastic about learning new tools and tackling complex challenges, with a strong commitment to continuous growth and contributing to impactful IT solutions.

EDUCATION

UIN Syarif Hidayatullah Jakarta

Computer Science

August 2021 – August 2025

Cumulative GPA: 3.8/4.0

Related Course: Database System, Elementary Statistics, Data Structures and Algorithms, System Analysis and Design

WORK EXPERIENCE

Solution Engineer Intern

Jakarta Pusat, Indonesia

PT. Mid Solusi Nusantara

Feb 2025 – Feb 2025

- Built CRUD applications using a low-code/no-code platform to accelerate feature delivery.
- Developed JavaScript APIs for data deletion, Excel import, validation, and update processes.
- Analyzed business workflows to optimize platform design and usability.

Artificial Intelligence Intern

Remotely

CognoRise InfoTech

Nov 2024 – Dec 2024

- Created Tic-Tac-Toe and Ping Pong AI games using JavaScript to enhance algorithm logic.
- Developed sentiment analysis model for AI-Qur'an text using SVM for classification accuracy improvement.

Data Engineer intern

Jakarta Pusat, Indonesia

Kementerian Keuangan Republik Indonesia

Sep 2024 – Nov 2024

- Implemented ETL pipelines with Apache Airflow to ensure data quality from multiple sources.
- Designed data extraction and transformation processes using Apache Spark, PostgreSQL, and HDFS (Parquet format).
- Created Hive and Hudi tables for efficient querying, upserts, and incremental data processing in a data lake environment.
- Contributed to DJPK website redesign in Figma, improving responsiveness and user experience.

TRAINING EXPERIENCE

Dicoding Indonesia

Remotely

Machine Learning Operations (MLOps)

Feb 2024 – Feb 2024

- Built ML pipelines using TensorFlow Extended (TFX) for data processing, model training, and validation.
- Deployed ML models on cloud platforms using Docker and Railway for scalable serving.

Dicoding Indonesia
Machine Learning Terapan

Remotely
Jan 2024 – Feb 2024

- Applied KNN, Random Forest, and AdaBoost algorithms to predictive analytics projects. Understanding how to model sentiment analysis using Deep Learning and Support Vector Machine techniques.
- Developed a recommendation system for Yogyakarta tourism destinations using collaborative filtering (validation error 0.3560).

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka
Machine Learning Cohort

Remotely
August 2023 – Jan 2024

- Studied supervised, unsupervised learning, and ANN, including transfer learning with pre-trained models.
- Created English score prediction model and image classification app using TensorFlow.js.
- Graduated with a final score of 91.32/100.

PROJECT

Sentiment Analysis of Indonesian translation of the Quran using SVM algorithm *July 2024 - July 2024*

- Built sentiment classification model with 71.3% accuracy to analyze text sentiment distribution.
- Processed data using Vader lexicon and visualized trends with word clouds and bar charts.

Website CRUD Laravel "Mitra Kerudung" (Laravel, PHP, JS, HTML, CSS) *April 2024 - April 2024*

- Built a responsive CRUD web app with admin & user authentication features to streamline product management.
- Implemented secure middleware authentication and improved user interface for smooth navigation.

Artificial neural network model used to predict diabetes *Feb 2024 - Feb 2024*

- Designed ANN model achieving 97.18% validation accuracy for binary diabetes classification.
- Applied one-hot encoding, fine-tuned model architecture, and deployed via Railway with Prometheus monitoring.

Mental Health Prediction from Comments (TensorFlow Extended) *Feb 2024 - Feb 2024*

- Developed machine learning pipeline with TFX, achieving AUC 95.1% in classification performance.
- Implemented data ingestion, preprocessing, validation, and deployed models with Docker for scalability.

Yogyakarta City Tourism Destination Recommendation System (Collaborative Filtering) *Jan 2024 - Feb 2024*

- Created recommendation system to rank top tourist destinations based on visitor data.
- Performed EDA, handled missing values, and visualized insights for tourism planning.

ADDITIONAL

Technical Skills: Intermediate in Python, Docker, Railway, SQL, Java, Excel, R Programming Language, ML Pipeline, html, css, laravel, javascript, Ubuntu, Apache Hive, Apache Hudi, Apache Spark, Figma, node.js.

Languages: Intermediate English; Conversational Proficiency in Indonesia.

Certifications & Training: Tensorflow Developer Certificate, Machine learning cohort course at Bangkit Academy, Google Data Analytics certified, Dicoding Academy course (Machine Learning Terapan, Belajar Dasar Git dengan GitHub, Machine Learning Operations (MLOps), and Belajar Analisis Data dengan Python).