

Reza Arya Wijaya

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OBJECTIVE

Aspiring Machine Learning Engineer Intern with a strong foundation in informatics engineering, software development, and mathematics. Eager to contribute to cutting-edge projects in ML and data science through rigorous exploratory data analysis, model development, and API deployment, while actively engaging in scientific research discussions.

TECHNICAL SKILLS

- **Programming Languages:** Python, PHP, JavaScript
- **Frameworks & Libraries:** TensorFlow, Keras, PyTorch, Scikit-Learn, OpenCV, Mediapipe
- **Databases:** MySQL, SQL
- **Data Analysis:** Pandas, NumPy
- **Tools:** Git, Docker, Jupyter Notebook

EDUCATION

Politeknik Negeri Malang | Malang, Indonesia

Bachelor of Informatics Engineering (2022 – Present)

- Current GPA: 3.76/4.00
- Awarded the Beasiswa Unggulan scholarship in 2023

SMAN 10 Malang | Malang, Indonesia

Mathematics and science (2018 – 2021)

- Final Grade: 88.57

PROFESSIONAL EXPERIENCE

PT. Graha Sarana Gresik | Gresik, Indonesia

Machine Learning Engineer Intern (Jan 2025 – Present)

- Working on a basic NLP model for digital mailing system within the Engineering and Development division
- Developed a hand tracking model for side project using Mediapipe, OpenCV, and PyGUI, achieving real-time performance for mouse gesture control

PROJECT EXPERIENCE

Machine Learning Engineer | FaceCount (Attendance Counter Application Based on Gender)

5th Semester Project – Politeknik Negeri Malang (Sep 2024 – Dec 2024)

- Developing an application that uses machine learning to count event participants and differentiate them based on gender using facial recognition technology.
- Implementing computer vision techniques for accurate real-time detection and classification.
- Utilizing Scikit-Learn, TensorFlow, Keras and other libraries to make a precise and robust model.

Project Manager, Fullstack Developer | Posyandu Information System (Sistem Informasi Posyandu)

4th Semester Project – Politeknik Negeri Malang (Feb 2024 – Jun 2024)

- Led a team to develop website for a local Posyandu, aimed at improving community health data management.
- Collected user data and coordinated task among team members according to their expertise.
- Addressed team challenges and ensured project completion on schedule.
- Arranged meeting and interview schedule with our client to collect user story as a foundation for our website.
- Developed a robust API for a data-driven application by fetching data from a MySQL database, ensuring seamless real-time integration and efficient access for end-users.
- Engineered a responsive front-end using Tailwind CSS and JavaScript, creating an intuitive user interface that enhances the overall application experience.

Face Shape Classification – Deep Learning Project (Personal)

Mar 2025 – Present

- Building a face shape classification model for fashion recommendations to help users identify suitable glasses frames and hairstyles.
- Leveraging PyTorch and a curated Kaggle dataset to develop and train a high-precision CNN model, with early performance metrics indicating promising accuracy.

Real-Time Emotion Detection – Deep Learning Project (Personal)

Oct 2024 – Dec 2024

- Developed an application to detect emotions from facial expressions in real time using a CNN-based approach, aimed at the early identification of potential mental health issues to enable timely intervention and support.
- Leveraged TensorFlow libraries and custom datasets to achieve robust performance in varying lighting conditions.

Survival Prediction Using Titanic Dataset – Machine Learning Project (Personal)

Aug 2024 – Sep 2024

- Applied machine learning techniques to predict passenger survival using feature engineering and classification models.
- Explored and cleaned the dataset using Pandas and NumPy, handling missing values and outliers.
- Trained and evaluated multiple models (Random Forest, Logistic Regression) using Scikit-learn.
- Optimized model performance through hyperparameter tuning and cross-validation.

ORGANIZATIONS

Dewan Perwakilan Mahasiswa | Politeknik Negeri Malang

Staf Muda Komisi 3 (2022 – 2023)

- Collected and processed feedback on the performance of the Student Executive Board (BEM).
- Presented the results of the feedback to relevant parties.
- Monitored and oversaw the activities of the Student Executive Board to ensure accountability.

CERTIFICATIONS & COURSES

- **Machine Learning Specialization** | DeepLearning.AI & Stanford Online (2024)
- **Advanced Learning Algorithms** | DeepLearning.AI & Stanford Online (2024)
- **Supervised Machine Learning: Regression and Classification** | DeepLearning.AI & Stanford Online (2024)
- **Google Cloud Computing Foundations: Data, ML, and AI in Google Cloud** | Google (May 2024)
- **Google Cloud Computing Foundations: Infrastructure in Google Cloud** | Google (May 2024)
- **Google Cloud Computing Foundations: Networking & Security in Google Cloud** | Google (May 2024)
- **Google Cloud Computing Foundations: Cloud Computing Fundamentals** | Google (April 2024)

AWARDS & HONORS

- **Beasiswa Unggulan Scholarship** | Politeknik Negeri Malang (2023)