Reza Arya Wijaya

wijayarezaarya@gmail.com | github.com/chocomaltt | linkedin.com/in/rezaaryawijaya/

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, Ultralytics YOLO, Scikit-Learn, OpenCV, Mediapipe, XGBoost, Flask, Laravel, Astro JS, Flutter
Data Analysis: Pandas, NumPy, Matplotlib, Seaborn
Databases: MySQL, Microsoft SQL Server, Firebase
Tools: Git, Docker

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)

- Built a real-time mobile application using facial recognition to count participants and classify them by gender at events.
- Applied computer vision techniques with Scikit-Learn, TensorFlow, and Keras to develop an accurate and lightweight detection model, achieving 98% accuracy.
- Containerized and deployed the model on a VPS using Docker, delivering a scalable and reliable REST API for seamless mobile app integration.
- Achieved a 60% reduction in time required for recounting and recapping participants, enhancing event management efficiency.

Project Manager, Full-stack Developer | Posyandu Information System (Sistem Informasi Posyandu)
4th Semester Project – Politeknik Negeri Malang (Feb 2024 – Jun 2024)

- Led a team to develop a website for Posyandu's community health data management, overseeing user research, client interviews, and task coordination.
- Designed and built a full-stack application with a MySQL-backed API for real-time data integration and a responsive front-end using Tailwind CSS & JavaScript.
- Streamlined the process of generating infant health reports, resulting in a 50% reduction in time required for report creation and recap, thereby enhancing operational efficiency.

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, Ultralytics, 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.

EDUCATION

Politeknik Negeri Malang | Malang, Indonesia
Bachelor of Informatics Engineering (2022 – Present)

- Current GPA: 3.76/4.00
- Successfully awarded the Beasiswa Unggulan scholarship in 2023 after passing a competitive selection process, including a rigorous interview stage.
- Maintained perfect class attendance, reflecting strong discipline and commitment to academic excellence.
- Actively engaged in core subjects such as machine learning, mobile application development, and computer vision.

SMAN 10 Malang | Malang, Indonesia
Mathematics and science (2018 – 2021)

- Final Grade: 88.57

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 (Apr 2025)
- **Unsupervised Learning, Recommenders, Reinforcement Learning** | DeepLearning.AI & Standford Online (Apr 2025)
- **Advanced Learning Algorithms** | DeepLearning.AI & Stanford Online (Oct 2024)
- **Supervised Machine Learning:** Regression and Classification | DeepLearning.AI & Stanford Online (Jul 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:** Cloud Computing Fundamentals | Google (April 2024)

AWARDS & HONORS

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