

RAHMATULLAH. R

Makassar, Sulawesi Selatan

☎ +6287788362583 | ✉ mamatmks45@gmail.com | [in linkedin.com/in/fnilvuwu](https://www.linkedin.com/in/fnilvuwu) | [GitHub](#) | [Website](#)

Profile Summary

- Proven ability in developing and deploying machine learning models, optimizing performance, and enhancing automation to support business decisions.
- Proficient in Python, TensorFlow, Keras, PyTorch and scikit-learn, with strong experience in building and training deep learning models, backed by a solid foundation in data structures and algorithms for efficient problem-solving.
- Skilled in data preprocessing, feature engineering, and utilizing data visualization tools such as Tableau, Power BI, Matplotlib, and Seaborn to deliver actionable insights.
- Experienced in leveraging Google Cloud for scalable machine learning solutions and data storage, ensuring efficient deployment and management of models.

Relevant Coursework

- Machine Learning
- Deep Learning
- Data Preprocessing
- Data Analytics
- Data Mining
- Generative AI
- Cloud Computing
- Data Visualization

Experience

Braincore.id – ML Engineer Division

Jan 2024 — Present

- Delivered **5 paid projects**, including an **LSTM-based XSS** detection model (browser extension) and schedule optimization using **genetic algorithm**.
- Built ML solutions like **IoT-powered** location tracking and rice price forecasting with **ARIMA**, improving decision-making and efficiency.
- Developed a **computer vision** model to classify and count palm oil, optimizing agricultural quality control.

Infinite Learning – Hybrid Cloud & Red Hat Cohort

Feb 2024 — Jul 2024

- Set up **Apache** servers and **Docker** containers, including an automated PDF conversion system.
- Gained extensive experience with **Linux** systems, scripting with **Bash**, and managing server environments effectively.
- Achieved **Red Hat Certified System Administrator (RHCSA)** through a proctored exam in Batam.

Bangkit Academy – Machine Learning Cohort

August 2023 – January 2024

- Co-developed GymGuide, an Android app featuring a **CNN-based** gym equipment classification system using **VGG architecture (89% accuracy across 23 classes)**, a **Gemini API-powered chatbot** for fitness consultations, and a food classification feature with nutritional details implemented through **prompt engineering**.
- Graduated with **Distinction**, ranking in the **top 10% of 4,000 students**.
- Earned **14 Coursera** certifications, including **TensorFlow Developer Certification (TFDC)** and completed **GANs** and **ML specializations**.

Projects

ML XSS Detection using LSTM with Attention | *TensorFlow, Keras* | [GitHub Repository](#)

Sep 2024

- Built an **LSTM-based** machine learning model with an **attention** mechanism to detect cross-site scripting (XSS) attacks, achieving **100% accuracy** on both training and validation datasets, and deployed it as a browser extension to enhance security while browsing.

Smart Cultivation System | *Flask, XGBoost, ESP8266* | [GitHub Repository](#)

Jul 2024

- Developed an **IoT-enabled** smart cultivation system using **ESP8266** microcontroller and **XGBoost algorithm**, achieving an **R² of 99.8%** for both fish length (cm) and fish weight (g), capable of predicting optimal growing conditions, and integrated a **Flask** interface to provide actionable insights for precision agriculture.

Road Crack Classification, ResNet vs YOLO | *PyTorch, YOLO, OpenCV* | [GitHub Repository](#)

Jun 2024

- Compared **ResNet** and **YOLO** architectures for road crack classification, preprocessing images with **OpenCV** and training models using **PyTorch** to evaluate classification accuracy and inference speed for **computer vision** applications.

Technical Skills

Analytical Tools: Excel, Power BI, Tableau, Matplotlib, Seaborn, Plotly, Jupyter Notebook

Languages: Python, SQL, Java, JavaScript, Kotlin, Bash

Technologies/Frameworks: GitHub, Pandas, NumPy, WordPress, Docker, Apache, Linux

Education

Universitas Hasanuddin (GPA: 3.48/4.00)

May 2020 – Present

Bachelor of Information System

Makassar, Sulawesi Selatan

Certifications

- TensorFlow Developer Certificate—[View Certificate](#)
- Certified International Specialist in Data Visualization, PASAS Institute—[View Certificate](#)
- Red Hat Certified System Administrator—[View Certificate](#)
- Machine Learning Specialization, Coursera—[View Certificate](#)
- Google Data Analytics Specialization, Coursera—[View Certificate](#)
- Generative Adversarial Networks (GANs) Specialization, Coursera—[View Certificate](#)

Awards

- 1st Winner OpenTheGate Hackathon 2025, BSS Parking—[View Achievement](#)
- 2nd Winner Makassar Hackathon 2024, Binar Academy—[View Achievement](#)
- Funded Project, PKM-PI Pendanaan 2023, Ministry of Education and Culture: *Efisiensi Irigasi Otomatis Menggunakan Teknologi Sprinkler Berbasis Internet of Things (IoT)*—[View Achievement](#)