

Muhammad Acqmal Fadhilla Latief

Software Engineer, Machine Learning Engineer

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NATIONALITY Indonesian

LINKS [LinkedIn](#), [Github](#),

PROFILE Results-driven Machine Learning & iOS Developer with hands-on experience in building end-to-end solutions, from data collection, preprocessing, and model development to deployment on cloud platforms (GCP, Azure). Skilled in developing mobile applications using SwiftUI and SwiftData, applying clean code principles, router-based navigation, and leveraging PhotoKit for advanced iOS features. Experienced in mentoring and leading teams, conducting training sessions, and guiding mentees to successfully complete projects. Strong collaborator with a proven track record of on-time project delivery and effective teamwork.

EXPERIENCE

Oct 2025 — Dec 2025	IOS Engineer & Machine Learning Engineer, Racqee	Batam
	<ul style="list-style-type: none">• Integrated CoreML, Vision, AVFoundation into a unified real time auto capture system, reducing missed action shots.• Delivered a prototype on court validated prototype with positive feedback from 5 early testers.• Improved system detection efficiency by ~60% through architectural model machine learning and inference optimizations.• Developed a lightweight CoreML pose detection model with >90% real-time accuracy and optimized on-device inference.	
Aug 2025 — Sep 2025	IOS Engineer, Tunda	Batam
	<ul style="list-style-type: none">• Developed reflection question logic and a recommendation system to guide purchasing decisions.• Built milestone notification scheduling and streak tracking features to enhance user engagement.• Created core SwiftUI views (Reflection Question & Break View) and implemented MVVM architecture with clean code principles.• Contributed to problem research using the Challenge-Based Learning (CBL) framework through the Engage, Investigate, and Act phases.	
	Tech stack: SwiftUI, SwiftData, Screen Time API, Notification API	
Apr 2025 — May 2025	IOS Developer, Snaptify	Batam
	<ul style="list-style-type: none">• Built an auto-photo application using SwiftUI, converting high-fidelity designs into functional code and implementing custom photo logic (zoom, swipe, and save to gallery).• Integrated PhotoKit for photo storage and management, ensuring smooth saving and retrieval of images.• Applied the Challenge-Based Learning (CBL) approach to	

explore, validate, and refine app features.

- Collaborated with a 5-member team through regular progress meetings, ensuring effective coordination and on-time project delivery.

Tech stack: SwiftUI, PhotoKit

Mar 2025 — Apr 2025 **IOS Developer, Dompert Rame** Batam

- Built a split bill application using SwiftUI, applying clean code principles, router-based navigation, and business logic for accurate item-based expense division.
- Utilized SwiftData for efficient data persistence, ensuring a smooth and consistent user experience.
- Applied the Challenge Based Learning (CBL) approach to ideate, validate, and refine application features.
- Collaborated with a 3 member team through progress meetings and showcased the project in an exhibition, ensuring both teamwork efficiency and public presentation experience.

Tech stack: SwiftUI, SwiftData

Feb 2025 — Aug 2025 **Mentor path Machine Learning, Laskar AI** Remote

- Mentored 25 mentees from basic to advanced machine learning, guiding them toward successful final project completion.
- Conducted 16 weekly consultations and facilitated 17 ILT sessions (7 soft skills, 10 technical) to strengthen both technical and professional development.
- Supported mentees in completing scholarship programs by providing direction, feedback, and progress monitoring.
- Coordinated with program management to ensure effective learning outcomes and mentee satisfaction.

May 2024 — Aug 2024 **Mentor path Machine Learning, ChoiceClass** Makassar

- Mentored 3 students from basic Python and machine learning to intermediate level, ensuring progressive skill development.
- Conducted 16 offline sessions, combining theory and hands-on practice to strengthen understanding.
- Developed and organized learning modules and materials tailored to the course progression.
- Guided mentees through the entire journey, culminating in the successful completion of their final projects.

June 2023 — Nov 2023 **Machine Learning Engineer & Founder, HaiTani** Makassar

- Conducted field research on local agricultural challenges in Makassar through direct engagement with local farmers, collaboratively designing solutions with the team and translating

- insights into actionable technical requirements
- Secured competitive funding from P2MW under the “Startup Awal” category to support product development and testing with local farmers
- Collected, re-labeled, and validated fruit image datasets, expanding with 1,000+ images across 3–5 categories.
- Applied data preprocessing (resize, rotation, augmentation) to enhance dataset quality and model performance.
Built and trained a deep learning model for plant disease image classification.
- Ensured deployment readiness and successful integration of the model into the application.
- Led a team of 5 members by breaking down project tasks, delegating responsibilities, organizing progress meetings, and managing the backlog to ensure timely delivery.

Tech stack: Python, Tensorflow, Label Studio, Github

Feb 2022 — Dec 2023	Laboratory & Research Assistant	Makassar
	<ul style="list-style-type: none"> • Assist the laboratory head and supervisors in the implementation of practicum sessions. • Contribute to the development of practicum materials to support students in understanding course content through structured assistance. • Deliver materials across classes with varying subject scopes. • Typically handle 10+ practicum classes per semester, with each class consisting of around 30 students. 	

EDUCATION

Feb 2025 — Dec 2025	Apple Developer Academy @ Infinite Learning	Batam
Mar 2024 — May 2024	Fresh Graduate Academy by Digital Talent Scholarship	Remote
Feb 2023 — Jul 2023	Bangkit Academy Led by Google, Tokopedia, Gojek & Traveloka	Remote
Sep 2020 — Feb 2024	Bachelor's degree in Informatics Engineering, Muslim Indonesia University	Makassar

TECHNICAL SKILLS

- Programming & ML : Python, TensorFlow, PyTorch, TFX, Scikit-learn, Pandas, NumPy, OpenCV, Streamlit, FastAPI, WanDB, Albumentations, Optuna
- Programming & Framework : Swift, SwiftUI, Notification API, PhotoKit, ARkit, Vision
- Computer Vision : YOLO, Ultralytics, Object Detection, Image Classification, OCR

- LLMs & NLP : Hugging Face, Langchain, Chat
- Cloud & DevOps : Google Cloud Platform (GCP), Azure, Docker, Prometheus, Grafana
- Database : MySQL, Supabase, SwiftData
- Data Tools : CVAT, Label Studio, Octoparse
- Version Control : Git, GitHub, DVC, MLFlow

SOFT SKILLS

Learner Restorative Intellection Context	Relator Significance Responsibility Strategic Time Management	Leadership Activator
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LANGUAGES	Indonesian Native speaker	English Working knowledge
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CERTIFICATIONS AND TRAININGS

Dec 2024 — Dec 2027	Machine Learning Operations (MLOps)	Dicoding
Jun 2024 — Jun 2025	Azure AI Engineer Associate	Microsoft
Jun 2024	Azure AI Engineer Fresh Graduate Academy	Digitalent
Dec 2023	TensorFlow: Advanced Techniques Specialization	Coursera & deeplearning.ai
Aug 2023 — Aug 2026	TensorFlow Developer Certificate	Tensorflow
Jul 2023	Bangkit Academy Certificate Path Machine Learning	Google, Tokopedia, Gojek & Traveloka
Apr 2023	DeepLearning.AI TensorFlow Developer Specialization	Coursera & deeplearning.ai
Apr 2023	Mathematics for Machine Learning	Coursera & Imperial Collage
Dec 2022	Dicoding Certificate Complete Path Machine Learning & Front-End Web	Dicoding

EXTRA - CURRICULAR ACTIVITIES

Sep 2022 — Aug 2023	Core Team Division Machine Learning period 2022, Google Developer Students Club Universitas Muslim Indonesia
Sep 2022 — Aug 2023	Head of Research and Technology Department period 2022, UKM Pusat Pengembangan Riset