

**Muhammad Acqmal Fadhillah Latief**  
**Software Engineer, Machine Learning Engineer**  
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NATIONALITY	Indonesian	
LINKS	<a href="#">LinkedIn</a> , <a href="#">Github</a> ,	
PROFILE	<p>Results-driven Machine Learning &amp; 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.</p>	
<b>EXPERIENCE</b>		
Oct 2025 — Dec 2025	<b>IOS Engineer &amp; Machine Learning Engineer, Racqee</b>	Batam
	<ul style="list-style-type: none"><li>Integrated CoreML, Vision, AVFoundation into a unified real time auto capture system, reducing missed action shots.</li><li>Delivered a prototype on court validated prototype with positive feedback from 5 early testers.</li><li>Improved system detection efficiency by ~60% through architectural model machine learning and inference optimizations.</li><li>Developed a lightweight CoreML pose detection model with &gt;90% real-time accuracy and optimized on-device inference.</li></ul>	
Aug 2025 — Sep 2025	<b>IOS Engineer, Tunda</b>	Batam
	<ul style="list-style-type: none"><li>Developed reflection question logic and a recommendation system to guide purchasing decisions.</li><li>Built milestone notification scheduling and streak tracking features to enhance user engagement.</li><li>Created core SwiftUI views (Reflection Question &amp; Break View) and implemented MVVM architecture with clean code principles.</li><li>Contributed to problem research using the Challenge-Based Learning (CBL) framework through the Engage, Investigate, and Act phases.</li></ul>	
	Tech stack: SwiftUI, SwiftData, Screen Time API, Notification API	
Apr 2025 — May 2025	<b>IOS Developer, Snaptify</b>	Batam
	<ul style="list-style-type: none"><li>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).</li><li>Integrated PhotoKit for photo storage and management, ensuring smooth saving and retrieval of images.</li><li>Applied the Challenge-Based Learning (CBL) approach to</li></ul>	

		explore, validate, and refine app features.
		<ul style="list-style-type: none"> <li>Collaborated with a 5-member team through regular progress meetings, ensuring effective coordination and on-time project delivery.</li> </ul>
	Tech stack: SwiftUI, PhotoKit	
Mar 2025 — Apr 2025	<b>IOS Developer, Dompet Rame</b>	Batam
		<ul style="list-style-type: none"> <li>Built a split bill application using SwiftUI, applying clean code principles, router-based navigation, and business logic for accurate item-based expense division.</li> <li>Utilized SwiftData for efficient data persistence, ensuring a smooth and consistent user experience.</li> <li>Applied the Challenge Based Learning (CBL) approach to ideate, validate, and refine application features.</li> <li>Collaborated with a 3 member team through progress meetings and showcased the project in an exhibition, ensuring both teamwork efficiency and public presentation experience.</li> </ul>
	Tech stack: SwiftUI, SwiftData	
Feb 2025 — Aug 2025	<b>Mentor path Machine Learning, Laskar AI</b>	Remote
		<ul style="list-style-type: none"> <li>Mentored 25 mentees from basic to advanced machine learning, guiding them toward successful final project completion.</li> <li>Conducted 16 weekly consultations and facilitated 17 ILT sessions (7 soft skills, 10 technical) to strengthen both technical and professional development.</li> <li>Supported mentees in completing scholarship programs by providing direction, feedback, and progress monitoring.</li> <li>Coordinated with program management to ensure effective learning outcomes and mentee satisfaction.</li> </ul>
May 2024 — Aug 2024	<b>Mentor path Machine Learning, ChoiceClass</b>	Makassar
		<ul style="list-style-type: none"> <li>Mentored 3 students from basic Python and machine learning to intermediate level, ensuring progressive skill development.</li> <li>Conducted 16 offline sessions, combining theory and hands-on practice to strengthen understanding.</li> <li>Developed and organized learning modules and materials tailored to the course progression.</li> <li>Guided mentees through the entire journey, culminating in the successful completion of their final projects.</li> </ul>
June 2023 — Nov 2023	<b>Machine Learning Engineer &amp; Founder, HaiTani</b>	Makassar
		<ul style="list-style-type: none"> <li>Conducted field research on local agricultural challenges in Makassar through direct engagement with local farmers, collaboratively designing solutions with the team and translating</li> </ul>

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

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## EDUCATION

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

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## 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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<b>LANGUAGES</b>	Indonesian	Native speaker	English	Working knowledge
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## CERTIFICATIONS AND TRAININGS

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

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## 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