



AHSAN FIRDAUS

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Depok, West Java, Indonesia

Results-driven Technical Team Leader with a proven track record in managing high-scale data operations for the Autonomous Vehicle industry. Currently leading a team of 50+ professionals (Data Annotators & QA) for a major global AV project. Expert in bridging technical Machine Learning requirements with operational execution, consistently achieving 100% data accuracy post-revision while scaling delivery by 12% in peak periods.

Experiences

KUPU ID (Sinarmas Group)

Oct 2025 - Present

Team Lead

- Directing a cross-functional team of 50+ members, including 10 direct reports, to support high-precision data requirements for Xiaomi's Autonomous Vehicle project.
- Optimized end-to-end data pipelines from labeling to QA verification, delivering 7,870 datasets in a single month (March 2026) with 100% final accuracy.
- Facilitated daily shift management and performance audits, reporting directly to the Project Manager to ensure operational benchmarks exceeded client expectations.

Lembaga Komputerisasi Universitas Gunadarma

Sep 2022 - Present

Course Assistant & IT Helpdesk

- Delivered structured 9-week lectures on database management & ERP (Adempiere, Microsoft Dynamics NAV) for 20–40 students/class, improving engagement and practical skills.
- Managed 5+ classes with 200+ students, organizing scheduling, grading, and stakeholder communications for smooth program execution.
- Maintained 5+ VMware vSphere servers & 100+ computers with Microsoft Active Directory, reducing system downtime by 10% through regular maintenance and troubleshooting.
- Provided hands-on guidance & mentoring, helping students apply SQL & ERP concepts to real-world cases.

Dinamika Teknologi Informasi

Mar 2025 - Aug 2025

Junior Technical Consultant

- Customized Microsoft Dynamics 365 E-Learning Management System modules through JavaScript, plugins, and FetchXML, improving data accuracy and automating workflows.
- Collaborated with functional consultants to analyze business requirements and translate them into technical solutions, ensuring smooth UAT and migration.
- Troubleshoot and optimized system performance for LMS and Middle Office projects, reducing errors and improving user experience.
- Documented technical solutions & supported knowledge transfer to functional teams, streamlining future maintenance and updates.

Encryptix

Dec 2024 - Jan 2025

Machine Learning Intern

- Developed a credit card fraud detection system using Random Forest & XGBoost, improving fraud recall from 0.15 to 0.91 using SMOTE resampling and hyperparameter tuning.
- Built and optimized text classification models (spam SMS & movie genre) with TF-IDF & Logistic Regression, achieving F1-score 0.78.
- Experimented with Random Forest to compare model performance and balance precision-recall trade-offs.
- Documented findings & presented model evaluation to the team, providing actionable insights for potential deployment.

Binar Academy

Sep 2023 - Dec 2023

Product Management Student

- Led a cross-functional team of 7 members to develop a health-tech product roadmap, improving goal alignment by 30%.
- Applied Agile methodologies for backlog management, sprint planning, and feature prioritization based on user feedback.
- Presented bi-weekly updates & incorporated mentor feedback, ensuring continuous product refinement and adaptation to market needs.
- Collaborated with UI/UX and development teams, aligning product features with business goals and user experience standards.

Bangkit Academy by Google, GoTo, and Traveloka

Feb 2023 - Jul 2023

Machine Learning Cohort

Bangkit is a program designed to prepare students for in-demand skills such as Machine Learning, Mobile Development, and Cloud Computing.

- Developed a face detection model with TensorFlow, achieving 95% accuracy and integrating it into mood tracking app (Daily Cloud).
- Collaborated with AI, mobile, and cloud teams to build an end-to-end solution combining computer vision and NLP.
- Awarded Distinction for exceptional performance in applied machine learning projects.
- Delivered project presentations & shared insights, contributing to team alignment and knowledge exchange.

Education Level

Universitas Gunadarma

Oct 2024 - Sep 2026 (Expected)

Master of Software Information System, 3.82/4.00

- CCNA (Cisco Certification Network Associate)
- TOEFL ITP Score: 597
- Expected Thesis: Comparative Analysis of Machine Learning Algorithms for Financial Time-Series Prediction (Bitcoin).

Universitas Gunadarma

Sep 2020 - Aug 2024

Bachelor of Informatics, 3.80/4.00

- Program Input Data Rumah Sakit Covid (Aug 2021 – Aug 2021)
- IndoFacts Website (Aug 2022 – Aug 2022)
- Daily Cloud App (Jun 2023 – Jun 2023)
- Day Healthy Platform (Nov 2023 – Jan 2024)
- Vehicle Counting Detection (Apr 2024 – Aug 2024)
- Credit Card Fraud Detection (Dec 2024 – Jan 2025)
- Distinction Graduate – Bangkit 2023 Machine Learning Cohort
- 2nd Runner-Up – LIGA CODING For Beginner (2022)

Skills, Achievements & Other Experience

- **Management & Operations** : People Leadership (50+ team), Project Coordination, Operational Excellence, Quality Assurance Management, Stakeholder Communication.
- **Technical Skills**: Machine Learning (TensorFlow, YOLO), Data Annotation (2D/4D LiDAR), Python, Autonomous Vehicle Perception.
- **Achievements** (2025): CCNA: Introduction to Networks & Switching, Routing, and Wireless Essentials
- **Achievements** (2023): Distinction Graduate – Bangkit 2023 Machine Learning Cohort
- **Achievements** (2022): 2nd Runner Up LIGA CODING For Beginner
- **Projects** (2025): Created a spam detection system using TF-IDF and Logistic Regression, effectively identifying spam messages with high accuracy. Focused on feature extraction and text preprocessing to enhance model performance.
- **Projects** (2025): Built a genre classification model using TF-IDF and Logistic Regression, achieving an F1-score of 0.78. Applied text preprocessing techniques such as stopword removal, stemming, and label encoding to improve classification performance.
- **Projects** (2025): Developed a fraud detection model using Random Forest and XGBoost, improving fraud recall from 0.15 to 0.91 by applying SMOTE resampling and class weighting. Experimented with hyperparameter tuning to balance model performance while minimizing false positives.
- **Projects** (2023): Day Healthy is a platform that has four products including: Health Chatbot, Insurance Integrated Payment, Pharmacy, and Internal Dashboard for Admin.
- **Projects** (2023): Daily Cloud is an app for user to track mood by using face detection and text-analysis from journaling. This app is made as a purpose to track user mood and as intermediary to the expert if needed.
- **Projects** (2024): This project is a purpose to detect and count vehicle in road by using YOLO and PyTorch Transfer Learning. This model is trained by using 1,667 images in total and result of 90% accuracy.
- **Languages**: English, Indonesia (Native)