

Moh. Wahyu Abrory

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IT & Machine Learning Practitioner with experience across technical support, infrastructure, data analysis, and software development. Developed applied data science and machine learning experience through Indosat Ooredoo Hutchison Digital Camp and Bangkit Academy. Skilled from hardware, network, and system troubleshooting to model development, APIs, dashboards, and web applications. Proven ability to translate technical requirements into practical solutions across IT, data, and software domains.

PROFESSIONAL EXPERIENCE

Novotel Samator Surabaya Timur

Surabaya

IT Trainee → Daily Worker

Feb 2025 - Dec 2025

- Supported daily IT operations across **262 rooms and 10 outlets** by troubleshooting PCs, printers, TVs, network and internet connectivity; checking CCTV, UPS, and door-lock battery conditions; and completing operational IT reports.
- Installed **11 back-office PCs** on the Accor network and supported installation of **2 POS devices**, table-based QR ordering, and **about 10 CCTV units**.
- Supported internet readiness for **6 major hotel events** through Bandwidth on Demand requests, connectivity checks, priority bandwidth support, issue resolution, and documentation.

TECHNICAL PROGRAMS

Indosat Ooredoo Hutchison Digital Camp

Jakarta

Data Scientist

Sep 2024 - Oct 2025

- Selected as **1 of 125 participants** from **25,000+ applicants (top 0.5%)**.
- Developed regression and classification models on datasets with **800K+ records** using Python, SQL, and machine learning.

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka

Jakarta

Machine Learning Cohort

Jun 2024 - Jan 2025

- Completed the program with **GPA 95.20 (A)** and was selected as **Best Presenter** in a peer review session.
- Completed technical training in IT automation with Python, data analysis, machine learning, TensorFlow, model deployment, advanced TensorFlow, generative AI, and GANs.

Google Developer Student Club, UPN Veteran Jawa Timur

Surabaya

Machine Learning Path Member

Dec 2023 - Jun 2024

- Achieved **95%+ validation accuracy** in a hand-gesture recognition project and built a Python + Streamlit dashboard for interactive data analysis.

Gerakan Nasional 1000 Startup Digital

Surabaya

Hipster Cohort

Aug 2023 - Oct 2023

- Completed **5 Figma-based design projects**, built **20 reusable components**, and designed **5 landing-page concepts**.

EDUCATION

Universitas Pembangunan Nasional "Veteran" Jawa Timur

Surabaya

B.Sc. Information Systems; GPA 3.86 / 4.00

Aug 2022 - Jun 2026

- Awardee:** Beasiswa Pendidikan Kabupaten Sidoarjo 2024 and 2025, Beasiswa Sampoerna 2024 and 2025, Beasiswa Koperasi Karyawan Sampoerna 2023, MSIB Batch 3 2024 as Best Presenter, IDCamp by Indosat Ooredoo Hutchison Digital Camp 2025
- Selected coursework:** Data Mining, Machine Learning and Deep Learning, Data Analysis, Database Administration, Network Security, Information System Security, Web Programming, Mobile Programming, IT Project Management.

PROJECTS

ADRO Stock Forecasting & Risk Analysis

Aug 2026

Tools: Python | [GitHub](#) | [Report](#)

- Built a GRU forecasting pipeline with **2.24% MAPE** and **Rp84.67 RMSE** by testing **48 model configurations** on **2,541 daily observations** from 2016 to 2026.

- Estimated 1-day Value at Risk at **3.48%**, or **Rp34,776 per Rp1,000,000** invested, using GRU forecasts and historical simulation at **95% confidence**.

Antam Gold Price Prediction

May 2026

Tools: Python, React, Flask | [GitHub](#) | [Deck](#)

- Built a multivariate LSTM/GRU forecasting system with **1.47% MAPE** and **IDR 35,417.91 RMSE** on ANTAM gold and macroeconomic data from 2015 to 2025.
- Reduced RMSE by **63%** and MAPE by **68%** versus the best LSTM model, then built a React + Flask dashboard for **1 to 90-day forecasts** and exports.

Thrifttopia

Aug 2026

Tools: Figma | [Mobile Design](#) | [Desktop Design](#) | [Deck](#)

- Applied Design Thinking and built high-fidelity desktop and mobile Figma prototypes covering catalog, checkout, order tracking, Eco-Tracker, and sustainability education.
- Validated the concept with **52 users**; user testing scored **84.10%**, with material and media validation at **85%** and **86.7%**.

Createch Face Recognition Attendance System

July 2026

Tools: Python, TensorFlow, MobileNetV2 | [GitHub](#) | [Deck](#)

- Selected the best configuration after evaluating **five dropout and epoch setups** and a **130-image hold-out set**, with the controlled evaluation reporting **100% mean validation and test accuracy**.
- Implemented a MobileNetV2 face-classification workflow for **13 employees and 650 images**, with face extraction, **224 x 224** preprocessing, augmentation, and stratified **5-fold cross-validation**.

VegeCare Plant Disease Classification API

2024

Tools: TensorFlow, MobileNetV2, Flask, Docker | [GitHub API](#) | [GitHub Model](#) | [Deck](#)

- Built Flask API logic around a MobileNetV2 plant-disease classifier; the model repository reports **92% accuracy** and **0.91 F1**. Structured the API for Postman testing and Docker deployment.

LICENSES & CERTIFICATIONS

- **Junior Web Programmer** - Badan Nasional Sertifikasi Profesi (BNSP) | [Certificate](#) | Dec 2025
- **Dev Certification for Machine Learning with TensorFlow** - dev.cert by dev.id | [Certificate](#) | May 2025
- **English Proficiency Test (EPT)**, Score 570 - UPN "Veteran" Jawa Timur | [Certificate](#) | Jan 2025
- **DeepLearning.AI TensorFlow Developer Professional Certificate** - DeepLearning.AI | [Certificate](#) | Nov 2024
- **Machine Learning Specialization** - DeepLearning.AI & Stanford University | [Certificate](#) | Oct 2024

TECHNICAL SKILLS

Programming & Scripting: Python, SQL, Bash, Java, JavaScript, PHP, HTML, CSS

Machine Learning & Data: TensorFlow, DeepLearning, Pandas, NumPy, Streamlit, Tableau, NLP, EDA, ETL/ELT, model deployment

Web, API & Deployment: React, Flask, Docker, GCP, Git/GitHub, API integration

IT Support & Infrastructure: OPERA PMS, Rhapsody PMS, Remote Desktop, LAN, Wi-Fi, routers, switches, Windows domain basics, server backup, CCTV, UPS, endpoint support

ACHIEVEMENTS

- **Finalist** - Global Language Club Short Story Competition 2024
- **3rd Place** - UI/UX Design Competition, Universitas Muhammadiyah Surakarta 2023
- **Top 5** - Query Racing, Information System Competition UPN Veteran Jawa Timur 2023

VOLUNTEERING

- Secured sponsorships from major corporate partners, including **Tri, Indocafe, Rohto** and other partners, by developing tailored proposals and negotiating partnership terms.
- Coordinated consumables logistics for **1,000 attendees** at Dies Natalis SIFO 2023, managing meal distribution and supplier coordination.

LANGUAGES

Indonesian - Native or bilingual proficiency | English - B2 professional working proficiency, **EPT 570**