Muhammad Habib Nur Aiman
Data Science Student | AI & Web Developer
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SUMMARY
An outstanding undergraduate student in Data Science at Surabaya State University, specializing in Artificial Intelligence and Computer Vision. A finalist in national competitions (GEMASTIK, DIMAS-TI) with a strong portfolio in applying Machine Learning models to web-based applications. An active community leader (SaDaCom, Google Student Ambassador) proficient in Python, TensorFlow, and React.js, committed to solving real-world problems through applied AI technology.

EXPERIENCE
AI Engineer Cohort | Pijak in collaboration with IBM SkillsBuild | Remote *Jan 2026 – Present*
- Developing applied artificial intelligence competencies and enterprise-level problem solving in selected intensive groups.

Community Builder | SaDaCom (Sains Data Community) | Surabaya *Oct 2025 – Present*
- Developing an AI/ML community in the Data Science study program at UNESA and creating an official community platform using React and Supabase.

Google Student Ambassador | Google | Surabaya *Sep 2025 – Jan 2026*
- MLeading the student community to adopt Google Gemini technology through workshops and events

Religious Division Staff | HMP Sains Data UNESA | Surabaya *Mar 2025 – Aug 2025*
- Managing internal engagement and organizing community activities for student associations.

Dataset Division Staff | ACTION 2025 Committee (UNESA) | Surabaya Oct 2025 - Nov *2025*
- Curated and validated datasets for Machine Learning, UI/UX, and Infographic competitions to ensure data integrity for participants.

EDUCATION
Universitas Negeri Surabaya (UNESA) | Bachelor of Data Science *2024 – 2028 (Expected)*
- IPK : 3.8/4.00 | Focus : *AI, Machine Learning, Data Mining.*

SMA Muhammadiyah 1 Gresik | Science & Technology *2021 – 2024*
- GPA : 89.93 / 100.00.

ACHIEVEMENT
1. **Finalist**, GEMASTIK XVIII 2025 – Data Mining Division (Kemendikbud Ristek), Oct 2025.
2. **3rd Place**, National Student Exhibition DIMAS-TI 2025 – Data Mining (AMLI), Nov 2025.
3. **2nd Runner Up**, INTERGALACTIC Competition 2025 – Food Security AI Solution, Nov 2025.
4. **Top 6**, DISCO Data Mining Competition (Universitas Trunojoyo Madura), Jun 2025.
5. **1st Best Presenter**, PROCOMMIT V13 (ITS), Nov 2023.

PROJECT
1. **Kemensos Sentiment Dashboard:** Interactive dashboard analyzing public opinion trends on Ministry of Social Affairs using Python & Pandas.
2. **RekrutPintar.id - AI-Powered Recruitment & Screening Platform:** is a web-based recruitment platform designed to streamline the hiring process by moving beyond traditional CV screening
3. **Website UMKM kedai makanan & minuman:** Professional website with dynamic admin dashboard and WhatsApp order integration built with Next.js.
4. **Aksara Jawa Classifier:** Fine-tuned ResNet18 model for Javanese script classification deployed on-browser via ONNX Runtime Web.
5. **SafeSite AI (PPE Detection):** Real-time browser-based helmet/vest detection using YOLOv12 & ONNX Runtime.
6. **RiceGuard AI:** Rice leaf disease classification web app (97.5% accuracy) using TensorFlow & React.js.
7. **Aksara Jawa Classifier:** Deep Learning model (ResNet18) for Javanese script recognition deployed on client-side.
8. **SaDaCom Web Platform:** Community website with gamification features built with React, Tailwind CSS, and Supabase.
9. **Garuda Sentiment Analysis:** Comparative study of LLM (Gemini) vs Lexicon (InSet) for Indonesian sarcasm detection.
10. **TikData Lite:** TikTok comment scraper and analytics dashboard for engagement insights using Apify & React.
11. **Commentary:** YouTube comment scraping tool with CSV export functionality using YouTube Data API v3.
12. **Roblox Sentiment Analysis:** NLP project analyzing thousands of Play Store reviews to extract user sentiment keywords.
13. **AI Virtual Painter:** Computer vision application for air-writing/drawing using OpenCV and hand gesture tracking.

14. **Hospital Data Dashboard:** Interactive dashboard for monitoring healthcare facilities and performance in Indonesia.
15. **Bengaluru House Prediction:** Machine Learning model (XGBoost) for predicting property prices based on historical data

SKILLS
- **Technical Skills:** Python, SQL, JavaScript (React.js, Next.js, Node.js), C++, TensorFlow, Keras, PyTorch, Scikit-Learn, YOLO, OpenCV, LLM (Gemini), NLP, Pandas, NumPy, Matplotlib, Data Mining, Web Scraping, ONNX Runtime, Streamlit, Tailwind CSS, Supabase, Apify, Git/GitHub.
- **Soft Skills:** Project Management, Community Building, Leadership, Critical Thinking.
- **Certifications Google** Gemini Certified University Student
- **IBM:** Artificial Intelligence Fundamentals; Career Management Essentials
- **Dicoding Indonesia:** Building Advanced Deep Learning Projects; Fundamental Deep Learning; Machine Learning for Beginners; Data Analysis with Python; Prompt Engineering for Software Developers; Career & Productivity Acceleration with Gemini; Basic Data Science & AI Fundamentals; Basic Structured Query Language (SQL); Basic Project Management; Python Programming Fundamentals.