ALMAS NAJIIB IMAM MUTTAQIN

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Purbalingga, Central Java

AI Developer and Informatics Engineering graduate (GPA 3.83) specializing in Computer Vision, AI Agents, and Data Analytics. Proven track record in developing scalable AI-driven solutions for the telecommunications industry, focusing on object detection models and LLM-based integration. Combines technical expertise with strong research capabilities, evidenced by 5 published scientific journals (1 as First Author, Sinta 2).

PROFESSIONAL EXPERIENCES

Artificial Intelligence Developer (Freelance), Indosat Ooredoo Hutchison   Feb. 2025 – Okt. 2025
- Developed an AgentFlow-based AI system integrated with Sahabat AI (Indosat Ooredoo Hutchison & GoTo) for database interaction and advanced data analytics.
- Built AI Model Development workflows for post-material and product detection across all telecommunications operators using Computer Vision, achieving over 80% accuracy.
- Mentored AI interns in designing and implementing object detection models for multi-operator detection tasks.
- Identified critical bugs through black-box testing to improve the reliability and feature performance of internal applications.

Artificial Intelligence Developer Internship, Indosat Ooredoo Hutchison   Dec. 2024 – Feb. 2025
- Built an annotated dataset of 2,000+ images to train object detection models (IM3 and 3 brands), achieving over 90% accuracy.
- Supported deployment of AI systems currently used by 3,000+ users across six provinces across Indonesia.
- Participated in the official AI model launch at the Circle Java Kick-Off Meeting in Surabaya, attended by executives and 400+ participants.

Supervisor Data Science, Bengkel Koding – Dian Nuswantoro University   Jul. 2024 – Feb. 2025
- Monitored and evaluated teaching performance to ensure quality learning outcomes.
- Ensured teaching quality and evaluation materials by reviewing assistant performance and validating Capstone Project exam questions.

AI Researcher & Scientific Contributor, Dian Nuswantoro University   Jul. 2024 – Feb. 2025
- Led an AI research teams, resulting in 4 published journals (Sinta 2 & 3) in Computer Vision (face recognition).
- Served as the first author for the Sinta 2 journal, developing a face recognition model using FaceNet512 and YOLOv8 based on Deep Learning.
- Contributed to Health AI research (diabetes prediction), resulting in 1 Sinta 3 journal publication.

Mentor Data Science, Bengkel Koding – Dian Nuswantoro University   Sep. 2023 – Jul. 2024
- Provided technical guidance and mentorship to Data Science students, achieving a pass rate above 80%.
- Developed the curriculum by updating learning modules and creating exam materials to align with current industry standards.
- Facilitated career preparation workshops for LSP certification, mentoring 60+ students with over 80% success rate.

Assistant Lecturer, Dian Nuswantoro University   Nov. 2022 – Jan. 2023
- Provided technical guidance and coding support for the Basic Programming course to 30+ students.
- Managed exam score recording, resulting in a pass rate above 90%.

PROJECT EXPERIENCES

CV ATS Analysis System (Applicant Tracking System)   Nov. 2025
Developer
- Developed an AI-powered CV analysis system using local Ollama models to automatically evaluate candidate suitability for applied positions.
- Implemented a tiered keyword matching system (MUST-HAVE, IMPORTANT, OPTIONAL) with comprehensive ATS scoring algorithms.
- Built batch analysis feature to process multiple CVs simultaneously with Excel/PDF export capabilities, improving recruitment process efficiency.
- Integrated caching systems (AI Cache & Universal Cache) to optimize performance and reduce analysis time by up to 70%
- Designed MySQL database architecture for storing custom skills, position keywords, and analysis results with structured relationships.

Elang AI SATSPAM Model   Aug. 2025
Developer
- Developed an object detection model to detect promotional materials for the specific "IM3 SATSPAM" and "Tri AI - Anti Spam/Scam".
- This model was implemented in the "Elang AI" application and is used by thousands of internal users to monitor new feature rollouts.

Elang AI All Operator   May 2025
Developer
- Developed an computer vision model to detect and count products and promotional materials for all telecommunications operators (IM3, 3, Telkomsel, XL, Smartfren, Axis, by.U).
- Implemented the model into the "Elang AI" application for nationwide competitor analysis.

Elang LLM (AI Agent Chatbot Analytics)   Apr. 2025
Developer
- Built an AI Agent Chatbot using LLMs and an Agent Framework for data analysis and database interaction.
- Provides instant information access and data analytics for Indosat Ooredoo Hutchison (Java Circle).
- Integrated with "Elang AI" data and deployed on the "Elang Hub" application.

Elang AI (IM3 and 3)   Dec. 2024
Developer
- Built an object detection model to identify and count products and promotional materials specific to the IM3 and 3 brands.
- This model was implemented in the "Elang AI" application and used by thousands of internal users.

Face Recognition Research   Jul. 2024 – Feb. 2025
Leader of Developers and Researcher
- Developed and benchmarked various face recognition models (FaceNet512, GhostFaceNet, ArcFace, etc.).
- This research successfully resulted in 4 scientific journal publications (Sinta 2 & 3) focused on face detection and recognition.

Diabetes Disease Prediction Application   Jun. 2024
Developer
- Developed a diabetes prediction application using 3 Machine Learning algorithms as a final project.
- This model was further developed into a research study, resulting in 1 Sinta 3 journal publication.

Heart Disease Prediction Application   Dec. 2023
Developer
- Built a web application to predict heart disease using 3 Machine Learning algorithms as a final projects.
- Presented the application as a case study example during a career guidance workshop for students.

PUBLICATIONS

- **First Author**: Single-Image Face Recognition For Student Identification Using Facenet512 And Yolov8 In Academic Environment With Limited Dataset (2025). *Jurnal Teknik Informatika (Universitas Jenderal Soedirman) (Sinta 2)*.
  [Link: https://jutif.if.unsoed.ac.id/index.php/jurnal/article/view/3908]
- **Fourth Author**: Optimizing Face Recognition and Emotion Detection in Student Identification Using FaceNet and YOLOv8 Models (2025). *Inform: Jurnal Ilmiah Bidang Teknologi Informasi dan Komunikasi (Universitas Dr. Soetomo) (Sinta 3)*.
  [Link: https://ejournal.unitomo.ac.id/index.php/inform/article/view/9304]
- **Fourth Author**: Komparasi Deteksi Single Shot Detector (SSD) Dengan YouLook (Yolov8) Menggunakan GhostFaceNet Untuk Pengenalan Wajah Pada Dataset Terbatas (2024). *Building of Informatics, Technology and Science (BITS) (Sinta 3)*.
  [Link: https://ejurnal.seminar-id.com/index.php/bits/article/view/6225]
- **Fourth Author**: Comparison of ArcFace and Dlib Performance in Face Recognition with Detection Using YOLOv8 (2024). *Jurnal Inovtek Polbeng Seri Informatika (Politeknik Negeri Bengkalis) (Sinta 3)*.
  [Link: https://jurnal.polbeng.ac.id/index.php/ISI/article/view/206]
- **Fourth Author**: DiabTrack: Sistem Prediksi Dini Diabetes Melitus Tipe 2 berbasis Web menggunakan Algoritma K-Nearest Neighbors (2025). *Edumatic : Jurnal Pendidikan Informatika (Universitas Hamzanwadi) (Sinta 3)*.
  [Link: https://e-journal.hamzanwadi.ac.id/index.php/edumatic/article/view/29691]

EDUCATION

Dian Nuswantoro University   Sep. 2021 – Feb. 2025
Bachelor Degree in Informatics Engineering, 3.83/4.00
- Selected for the "Kelas Unggulan 2021" (Excellent Class), an exclusive program class for the top students in the Informatics Engineering major.
- Completed the degree program with AI research contributions resulting in 5 published scientific journals (Sinta 2 & 3) in Computer Vision and Health AI.
- Served as a Data Science Supervisor and Mentor for the Bengkel Koding Program.

Independent Study MSIB 6 Data Science, BISA AI Academy   Feb. 2024 – Jun. 2024
- Completed the Kampus Merdeka Batch 6 independent study program in Data Science (Score: 96/100).
- Developed a Capstone Project, creating a diabetes prediction application using 3 machine learning algorithms.
- Conducted 2 webinars related to Data Science during the program.

CERTIFICATIONS

- Certification Scheme of Associate Data Scientist - BNSP   Sep. 2024 - Sep.2027
- CertNexus AIBIZ™ Credential – CertNexus   Okt. 2024 – Okt. 2027
- CertNexus DSBIZ™ Credential – CertNexus   Jul. 2024 – Jul. 2027
- Get Started with Deep Learning – NVIDIA   Jan. 2023

SKILLS

AI & Data Science Skills: AI Model Development, Machine Learning, Deep Learning, Data Science, Data Analysis, Data Visualization, NLP (Natural Language Processing), AI Agents (Flowise), Computer Vision (Roboflow, Ultralytics, Label Studio).

Programming Languages & Databases: Python, SQL (MySQL, PostgreSQL), Redis, C/C++.

Tools & Platforms: TensorFlow, PyTorch, Docker, Git, Google Cloud Console, Flask, Tableau, Google Colab, Datagrip, Navicat, Meta for Developers, Microsoft Office, Trae, Visual Studio Code, Google Antigravity, Ollama, LM Studio, Streamlit, OpenRouter, Groq.

Professional Skills: Leadership, Problem Solving, Time Management, Adaptability

Languages: Indonesian (Native), English (Intermediate)