HABIB FABRI ARROSYID

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Bogor, West Java

I am a final-year Computer Science student at IPB University with a strong passion for emerging technologies, particularly **artificial intelligence (AI) and machine learning**. Proficient in Python and experienced in other programming languages, I have developed my technical skills through academic projects and personal exploration. Currently, I am actively seeking opportunities in the tech industry to apply my knowledge and grow as a professional in this rapidly evolving field.

Education Level

IPB University - Bogor, Indonesia Aug 2022 - Aug 2026 (Expected)

Undergraduate Computer Science, 3.57/4.00

- Best Poster at Datathon 2025 SSMI IPB University
- Semi-Finalist Business IT Case HOLOGY 6.0
- Top 43 Big Data Challenge by GammaFest Data Science Competition

Work Experiences

PT Salam Pacific Indonesia Lines Aug 2025 - Present

AI Engineer Intern

- Spearheaded the development and deployment of **three critical AI and automation** projects aimed at modernizing maritime logistics and enhancing operational efficiency across multiple divisions. Leveraged **Large Language Models** (LLM) and **Retrieval-Augmented Generation** (RAG) combined with automation tools (**n8n, LangChain, Google Gemini AI**) to transition reactive processes into proactive, data-driven intelligence hubs. Contributed directly to streamlining workflow, mitigating operational risks in real-time, and enabling strategic decision-making for port and vessel operations management.

Home Credit Indonesia Jun 2025 - Jul 2025

Project-Based Virtual Data Scientist Intern

- Learning essential skills for the role of data scientist and completing a data science project by **collecting big data**, creating machine learning models, and merging datasets. Assisting in analyzing test cases provided by the company and presenting a data visualization and insightful report.

CodingCamp DBS Foundation Jan 2025 - Jun 2025

Machine Learning Engineer Cohort

- Building the 'FinBuddy' product as a student financial report that provides savings recommendations, displays user behavior habits, and is equipped with a simple chatbot-based customer service. Creating an **AI model in the form of a chatbot** as customer service provided on the website.Assisting in integrating the AI model into the website.

Dept. Computer Science IPB University Feb 2025 - May 2025

AI Research Assistant

- Assisting in creating an AI model for plant-based object image detection to be applied on a Crazyflie-based drone. Helping with the collection of image samples for data training. Assisting in the process of **integrating the model** into the drone.

Organisational Experience

Himpunan Mahasiswa Ilmu Komputer - Bogor, Indonesia Jan 2024 - Dec 2024

Ketua Divisi Human Resource Development

- Providing soft skills training, providing leadership training.
- Conducting analysis of the performance data of association members.
- Assessing and evaluating the overall performance of organization members.

Data Mining Club IPB - Bogor, Indonesia Aug 2024 - Oct 2024

Anggota

- Managing the curriculum for materials related to data mining.
- Providing hard skills training related to data processing.

Skills, Achievements & Other Experience

- **Achievements** (2025): Awarded Best Poster at Datathon SSMI 2025. The poster presented FlyBot AI, an AI-powered drone designed for intelligent plant detection.
- **Projects** (2025): Built Real-Time Operational Risk Monitoring Designed and implemented a proactive, real-time risk monitoring hub (via **Looker Studio and n8n automation**) that integrates Google Gemini AI to analyze critical weather data, successfully mitigating operational risks by generating AI-driven insights to prevent costly delays (e.g., crane shutdowns or berthing issues).

- **Projects** (2025): FinBuddy, a Smart Financial Solution with an dashboard system, participated as part of the machine learning development team for this website. I contributed to developing a simple chatbot using fine-tuning techniques with basic RAG without utilizing OpenAI's API.
- **Projects** (2025): Port Monitoring System Developed an **automated** Port Monitoring **Dashboard** leveraging proprietary **LLM** for intelligent vessel issue classification, **transforming raw data into strategic**, actionable insights that enable managers to make timely, data-driven decisions and optimize port operational **efficiency**. Using tech stack **React(js) and Flask**.
- **Projects** (2025): SPIL Copilot Pengajuan Operasional Kapal, Engineered Spill Copilot, a conversational AI system using **LangChain, LLM, and RAG**, to centralize company knowledge and provide high-accuracy answers for vessel operations; streamlining the workflow, enhancing report evaluation, and improving decision support for the Ship Operations Division.
- **Projects** (2025): FlyBot, an AI-based drone for plant detection, **Implemented on-device machine learning for real-time image data** collection and processing on drone hardware.
- **Portofolio** (2025): **https://drive.google.com/file/d/10IbfLbQc6goBtMT8Mk5-z0UH0zl0glNK/view?usp=sharing**
- **Hard Skills** (2025): Basic Python Programming Language, Basic Structured Query Language, n8n, Looker Studio, PostgreSQL, Pandas/Numpy, Predictive Analysis, LLM, Computer Vision, Machine Learning, React (js), Flask.
- **Soft Skills** (2022): 7 Habbits of Highly Effective College Students, Problem Solving - Emotional Intelligence - Teamwork skills.