

MUHAMMAD ALVIN RAHMATULLAH PUTRA PRATAMA

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Jakarta, Indonesia

AI Engineer at Brand N Purpose and Information Systems graduate of Gunadarma University (GPA 3.88). I build AI and backend systems that real users rely on, including a hybrid RAG chatbot with 86.93% user satisfaction and a 15-module finance system I developed on my own in 2 months.

Experience

Brand N Purpose - South Tangerang Sep 2026 - Present
AI Engineer

- Redesigned and shipped the UI/UX across the company's web product, including the public website, client app and admin panel.
- Develop AI agent features and LLM integrations, including tool-calling through MCP.
- Maintain and secure the backend, covering database migrations, access policies, API fixes and automated CI checks.

PT. Lompobattang Abadi Perkasa - Jakarta Apr 2026 - Jun 2026
Software Engineer

- Developed a 15-module finance and operations system on my own in 2 months, covering billing, payments, multi-level approvals, payroll, contracts and audit logs.
- Built end-to-end weekly billing automation: invoices are generated on schedule with pg_cron, rendered to PDF by a FastAPI service and sent automatically over WhatsApp, with reminders and summaries running on 5 cron jobs.
- Enforced access control at the database level with role-based Row-Level Security, a trigger-guarded approval flow and automatic audit logs on 12 tables.

Badan Nasional Penanggulangan Bencana (BNPB) - Jakarta Nov 2025 - May 2026
Data Processor (Intern)

- Built a heavy-equipment tracking system across districts, prepared daily reports for operations leadership, and coordinated between central command and field teams.

Education

Gunadarma University - Depok Sep 2021 - Sep 2025
Bachelor of Information Systems, GPA 3.88/4.00

Bangkit Academy (Google, Tokopedia, Gojek, Traveloka) - Remote Feb 2024 - Jun 2024
Machine Learning path, peer tutor

Projects

Hybrid RAG Chatbot for Academic Services May 2025 - Aug 2025
Thesis, in use

- Designed a two-path chatbot: structured questions (schedules, exams, academic calendar) are answered straight from the database, while other questions go through RAG with Pinecone and GPT-4o-mini.
- Developed the full system, from data collection to deployment on Google Cloud Run (FastAPI, Supabase, Docker), reaching 86.93% satisfaction in UAT with 28 respondents and passing all black-box tests.

Resume Summarization and Candidate Ranking May 2024 - Jun 2024
Project Manager & Machine Learning Engineer, Bangkit Capstone

- Led a team of 6 building a system for Dicoding Jobs that summarizes CVs (T5) and ranks candidates by how well they match the job (Doc2Vec). Won Best Presenter.
- Built a CV extraction service with LangChain and Tesseract OCR, then turned the output into structured data with Vertex AI.

Deception: Murder in Hong Kong 2026
Personal project (unofficial adaptation), deception.my.id

- Developed a real-time multiplayer web game for 4 to 14 players (Vue 3, Fastify, Socket.IO), with all game logic handled on the server and covered by automated tests.

Skills and Certificates

AI and Machine Learning: Python, LangChain, RAG, Pinecone, OpenAI API, Claude Agent SDK, MCP, Vertex AI, PyTorch, TensorFlow, Hugging Face

Backend and Automation: FastAPI, Flask, Node.js, Next.js, TypeScript, PostgreSQL, Supabase, n8n, Redis

Cloud and Tools: Docker, Google Cloud Run, GitHub Actions, Playwright, Selenium, SQL

Certificates: Dev Certified for Machine Learning with TensorFlow (2025); Machine Learning Specialization, Mathematics for ML and Data Science, Google Data Analytics (2024)