

Alexandra Primadita Raharja

AI & Data Systems Developer | NLP - RAG - Generative Agents

Contact

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Summary

I build intelligent systems that combine human context with machine capability. My recent work focuses on NLP for public sector innovation, including document retrieval, legal reasoning, and agentic AI frameworks.

Experience

Parliamentary Data Innovation Unit - AI Systems Engineer
Apr 2025 - Present, Jakarta
- Built NLP pipeline to analyze government regulations using RAG
- Integrated OpenAI and vector database for legal document search

National AI Bootcamp - AI Developer Trainee
Jun 2023 - Oct 2023, Remote
- Designed multi-modal assistant prototype for citizen feedback

Metaverse Technology Lab - XR Systems Intern
Mar 2023 - Apr 2023, East Java
- Learned 3D space interaction and digital twin use cases

Search Relevance Taskforce - AI Evaluator
Feb 2023 - Apr 2023, Remote
- Evaluated LLM outputs and tuned ranking performance

MPG Automation - Manufacturing Support Intern
Aug 2022 - Dec 2022, West Java
- Supported ERP documentation and created dashboards

Education

Aurelia Institute of Technology - BSc Applied Physics
Aug 2019 - Dec 2023, Bandung
- Final thesis on thin-film simulation for optical sensing systems

Orbit AI Academy - Certificate in Data Science and AI Engineering
Oct 2024 - Feb 2025, Remote
- Capstone: AI-powered legal document retrieval with RAG and LangChain

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SMAN 42 Bandung - High School (Science)

Jul 2016 - Jul 2019, Bandung

- Head of Robotics and Research Club

Skills

LLMs, RAG, Agentic AI, Prompt Engineering, Python, LangChain, SQL, OpenAI SDK

Languages

English (Professional), Bahasa Indonesia (Native), Japanese (Basic)

Certifications

Certified AI Practitioner - DigitalGov Academy

LLM and Prompt Engineering - LangTech

Product Innovation - NestAI

Intro to Data Science in R - DQ Lab

Awards

1st - Government Innovation Hackathon (2024)

Finalist - ASEAN Data Science Challenge (2023)

2nd - Regional Physics Olympiad (2019)