

KIMSANG SILALAH

AI Engineer · LLM Apps & Agentic Systems · Claude · OpenAI · Python · MLOps

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PROFESSIONAL SUMMARY

CS graduate (GPA 3.78/4.00, Universitas Sumatera Utara, Cum Laude) specializing in LLM applications, RAG systems, and agentic AI pipelines. Anthropic Academy certified (18/18 courses); published a 1,182-item bilingual (ID-EN) AI instruction dataset on Hugging Face. Experienced with Claude & OpenAI APIs, MLOps (MLflow, Docker, FastAPI, Grafana), and Full Stack development — with a proven record shipping AI products independently and in team environments.

TECHNICAL SKILLS

AI & LLM: Claude API, OpenAI API, LangChain, RAG, Prompt Engineering, PyTorch, Scikit-Learn, Hugging Face, Fine-Tuning

MLOps & Cloud: MLflow, FastAPI, Docker, Prometheus, Grafana, AWS Cloud, Ollama, Python, PostgreSQL, REST APIs, Git

Full Stack & Automation: n8n, ManyChat, Xendit, ReactJS, Next.js, PHP 8.2, Firebase, Supabase, Web3 APIs, Roblox Studio

WORK EXPERIENCE

AI Engineer (Internship) · FlyRank AI · Remote

Jul 2026 – Aug 2026

- Architected and deployed automated LLM workflows (using Claude Projects and structured prompt engineering) to transform large-scale data reports into channel-native AIO (AI Optimization) content, reducing manual drafting time by over 80%.

AI & Software Engineering Consultant · Independent · Medan, Indonesia

Aug 2024 – Jun 2026

- Spearheaded 4 end-to-end AI applications leveraging RAG architectures and Claude/OpenAI APIs, reducing manual data extraction and processing time by 60% for freelance clients.

Game Developer · Exstore.id · Remote

Nov 2025 – Jan 2026

- Led end-to-end development of 2 large-scale Roblox titles ("Gunung Gila" & "Mall"), implementing custom token economies and integrating SuperBiz SDK, resulting in real-time analytics tracking for 1,000+ daily active users.

Software Engineer Intern · Ministry of Law & Human Rights · Jakarta

Jul 2024 – Aug 2024

- Developed a government document automation tool (CodeIgniter4 & PHP), cutting manual processing time by 40% within a 4-week sprint.

KEY PROJECTS

CiteReady — AI Search Visibility Auditor

Next.js · OpenAI API · Prompt Engineering · Vercel

[Link Access](#)

[Source Code](#)

- Developed a pioneering SaaS tool enabling content creators to optimize web pages for LLM citation engines (ChatGPT, Perplexity, Google AI Overviews) by dynamically restructuring content into prompt-friendly formats.

Bilingual Agentic AI Dataset (1,182 pairs, ID-EN)

Python · Ollama · Hugging Face Hub · NLP

[HuggingFace](#)

[Source Code](#)

- Synthesized a comprehensive ID-EN dataset across 8 agentic AI categories via local Ollama; published globally on Hugging Face as an open-source baseline for cross-lingual LLM fine-tuning.

MLOps Churn Prediction Pipeline

MLflow · FastAPI · Docker · Prometheus · Grafana

[Article](#)

[Source Code](#)

- Engineered a production ML pipeline for Telco Customer Churn with full experiment tracking (MLflow, Docker) and real-time monitoring dashboards via Prometheus and Grafana, ensuring 99% model uptime.

GrowMate — Collaboration Platform

ReactJS · PostgreSQL · REST APIs · Real-time Matchmaking

[Link Access](#)

[Source Code](#)

- Architected a full-stack platform matching users by shared skills and goals, with real-time matchmaking algorithms and role-based security using PostgreSQL.

EDUCATION

Universitas Sumatera Utara — B.Sc. Computer Science

2021 – 2025

GPA: 3.78/4.00 · Cum Laude

INTI International University, Malaysia — Student Mobility / MBKM

2023 – 2024

Humanitarian Initiative Exchange Program

CERTIFICATIONS & ACADEMIA

- Anthropic Academy (18/18 Courses — Full Completion)
- IELTS Prediction C1 (English First, 2026)
- Dicoding: 8 Courses — AWS Architecting, Gen AI on AWS, Spec-Driven Dev w/ Kiro & more
- Junior Web Programmer — 260 Hours (KEMNAKER RI, 2025)
- AWS AI Academy 2026
- English for IT (CISCO Networking Academy, 2025)
- ICP Hackathon 11 — Web3 & Blockchain Development
- ML A-Z & Data Science Mastery (Udemy, 2024)

LANGUAGES

Indonesian: Native / Full Professional Proficiency | **English:** Professional Working Proficiency (IELTS Target: Band 7.0+)