Kamolpop Vitayarat

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Education

King Mongkut's University of Technology Thonburi (KMUTT) GPA 3.86/4.00
B.Eng. in Computer Engineering Expected Aug. 2028

Experience

AI Engineer, CompanionLab (MadeYourDay subsidiary) Nov. 2026 – Present

- Built a parallel version of a production AI chat service (TypeScript/Node) behind percentage and per-user switches, so changes could be tested on real users safely; it became the base of the version now offered to players
- Cut model calls per message from 4 to 2 and response time from 6.5 s to 4.4 s; raised prompt-cache usage from 61% to 70%, cutting cost per message 14% in a real-model test
- Redesigned the long-term memory pipeline to read 100% of turns without dropping writes, and built a replay benchmark on 20 real conversations that raised memory recall from ∼20% to ∼34%
- Built a deployed AI auto-reply bot for Facebook Page inboxes in about a day (Python, Chrome extension, LLMs) with exactly-once detection, 8 sending safeguards, up to 10 Pages, and 114 automated tests

DevOps Engineer (Intern), Blendata Aug. 2026 – Present

- Deployed and support Kubernetes (RKE2) on bare metal plus Airflow, Spark, and Zeppelin services for internal infrastructure
- Deployed Grafana, Prometheus, Loki, and Alloy observability across company VMs; configured Kong and HAProxy reverse proxies; work with Jenkins, Harbor, Argo CD, and Helm

System Engineer, Innosoft Student Associate Program Aug. 2026 – Present

- Performed production-system backups, tested PostgreSQL, MSSQL, MySQL, and MariaDB backup approaches, and deployed Docker Swarm
- Configured a FortiGate reverse proxy, DNAT/SNAT, and firewall rules; set up an AI-agent workflow for infrastructure monitoring

Digital IC Design Intern and AI Engineer, Silicon Craft Jun. 2026 – Jul. 2026

- Built a private IC and semiconductor engineering assistant using hybrid RAG with cited answers over company PDFs, datasheets, and test reports

Projects

Lanta LLM Hosting github.com/ArmmyC/LantaLLM

- Built a Slurm-hosted vLLM serving stack for the LANTA HPC cluster with a LiteLLM OpenAI-compatible gateway, Open WebUI, and Prometheus/Grafana monitoring

GemmaClip github.com/ArmmyC/GemmaClip

- Built a grounded video-captioning web app and CLI on Gemma 4 (Python, FastAPI, React/TypeScript, Docker) for the AMD Developer Hackathon: ACT II

HolySoC github.com/ArmmyC/HolySoC

- Designed a Verilog RV32I-style SoC for the Basys 3 FPGA with UART, memory-mapped I/O, and bare-metal C firmware

Awards & Leadership

- **AWS Student Builder Group Leader 2026–2027, KMUTT:** lead a core team of 5 team members
- **Super AI Engineer Season 6:** Rank 1, Average 5 Domain Individual (Jun. 2026); Level 3 silver medal; **AMD Developer Hackathon: ACT II:** Google DeepMind Prize (Jul. 2026)
- **AI Engineer Award,** AI Thailand Benchmark Programs 2026; **Runner-up,** MakeX Asian Intercontinental Tournament 2023; **Student Council President,** Assumption College Rayong (2021–22)

Skills & Certifications

Languages: Python, TypeScript, C, C++, Java, Verilog, SQL, Bash
AI/Data: LLM serving, RAG, vLLM, LiteLLM, FastAPI, prompt caching, evaluation, pandas, scikit-learn, LightGBM
Infrastructure: Linux, Docker, Kubernetes, Prometheus/Grafana, Proxmox, FortiGate, CI/CD, Git
Certifications: Huawei HCCDA-AI; Huawei HCCDA-Tech Essentials (2026)