

Korawit Bamphen

s66122250012@ssru.ac.th · +66 82-273-7712 · portfolio.guidetoon.com · github.com/KorawitP

SUMMARY

Final-year Computer Science student (GPAX 3.91/4.00) focused on applied AI: self-trained YOLO and image classifiers, LLM translation pipelines, and FastAPI services. Seeking an AI Engineer Internship (Dec 2026 - Mar 2027, full-time including weekends if needed).

EDUCATION

BSc (in progress, Year 4) in Computer Science and Data Innovation Suan Sunandha Rajabhat University, Bangkok, Thailand (2023-08 - 2027-03)

- GPAX 3.91/4.00 (126 credits) - A in Databases, Data Structures, Data Science, Software Engineering, Software Testing
- Passed university English (ENG) and ICT requirements

PROJECTS

Manhwa LLM Translation Pipeline · 2026 End-to-end KO-to-TH comic translation flow I designed: text extraction, gap-filling OCR, speaker attribution from linguistic context, LLM translation via agent prompts, SQLite character bank. Production scale: 116 pages/episode with full stage artifacts, 15 series processed.

moctoon_tool - Self-Trained Dual YOLO Detection · 2026 Trained 2 YOLO models on a self-built dataset (manhwa.pt 218MB + text_container YOLO11-OB 56MB, ultralytics 8.3.90) to detect speech balloons/text regions feeding an inpaint-then-translate pipeline (LaMa/AOT, Google/DeepL/ChatGPT). Measured ~0.09 s/image on CUDA.

cutting_manga_v1 - Self-Trained Cut-Point Classifier · 2026 Trained a MobileNetV3-Small classifier (cnn_v5.pth) to find safe split points in long-strip manhwa (safe vs unsafe, 256px windows). Built the dataset myself (ground-truth junctions + random sampling + hard-case mining) and a parallel batch cutter. Measured ~1.5 s/image on CUDA. [https://github.com/KorawitP/cutting_manga_v1]

LineHarmony - Thai Text Layout Engine · 2026 Balanced word-wrap algorithm for Thai comic balloons using real font metrics (PIL/FontTools) plus Thai word rules (non-breaking words, line-end rules, polite particles). pytest suite included. Measured ~0.7 ms/layout. [<https://github.com/KorawitP/LineHarmony>]

Moctoon API - Multi-Source FastAPI Service · 2026 FastAPI service unifying 5 webtoon sources under /sources/{name} routes with Swagger docs, shared download core, and a series index (series.json + index.html). Built for study purposes.

SKILLS

Languages · Python, SQL, TypeScript

AI / ML · PyTorch, Ultralytics YOLO, OpenCV, EasyOCR, PyThaiNLP, OpenAI/Gemini/OpenRouter APIs

Backend & Data · FastAPI, SQLAlchemy, PostgreSQL, SQLite, Supabase

Tools · Git, GitHub, CUDA, pytest, MCP

AVAILABILITY

Available full-time Mon-Fri plus weekends if needed, 1 Dec 2026 - 19 Mar 2027. Lives near the office (Charan 57, Bang Yi Khan). Portfolio images are cropped samples from personal test work.