Eaindray

AI Engineer Intern | Generative AI Applications, Testing & AI Operations
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SUMMARY

Software Engineering student (GPA 3.92/4.00) who deployed, tested, and maintained the LLM behind CareMind, a generative AI application that drafts hospital nursing notes (97.7% citation precision). Certified in TensorFlow, RAG, and Agentic AI, with strong analytical, problem-solving, communication (TOEIC 885), and teamwork skills.

EDUCATION

Mae Fah Luang University, Chiang Rai, Thailand | Aug 2024 – May 2027 (Expected)
Bachelor of Engineering (B.Eng.) in Software Engineering | GPA: 3.92/4.00

Universitas Brawijaya, Indonesia: FACE IT 2026 AI in Healthcare Exchange (1 of 17 from MFU) | Aug 2026 – Nov 2026

WORK EXPERIENCE

Software Engineer Intern | Jun 2026 – Sep 2026
MFU Medical Center Hospital | Chiang Rai, Thailand

- Owned model serving, evaluation, and AI operations (MLOps) for CareMind, an on-premise generative AI application that drafts Thai/English nursing notes with source citations using a locally hosted 8B Thai medical LLM.
- Deployed the LLM with Ollama behind a secure, authenticated API on an on-premise GPU server; containerised the backend with an automated GitHub Actions image workflow and one-step Docker Compose setup.
- Built automated testing in CI, run before every merge: accuracy, citation, and drug-class consistency checks plus a privacy screen on test data; measured 97.7% citation precision.
- Analysed Q3 vs. Q4 quantisation over 42 runs each and found a significant drug-name regression in Q4 (p=0.029); built a repair step that restores correct drug names before citations are attached.
- Load-tested reliability: 3,806 requests over 3 hours with zero errors or slowdown, and no hangs under burst load.
- Maintained the service with GPU monitoring (self-healing watchdog, alerts, real-generation uptime checks, daily accuracy spot-checks, backups); diagnosed a GPU memory lock-up and automated its detection and release.

Junior Software Engineer | Mar 2024 – Jul 2024
ACE Data Systems Ltd | Yangon, Myanmar

- Developed C#/.NET backend APIs and SQL stored procedures for data processing in the SMEDB banking app.
- Built Java enterprise apps, documented API endpoints for frontend integration, and worked with QA in Agile sprints.

PROJECTS

ECG Arrhythmia Classification | *FACE IT 2026 | Python, scikit-learn, SciPy, Pandas, NumPy*

- Built an ECG data processing pipeline: signal filtering, Pan–Tompkins R-peak detection, RR and QRS features.
- Trained an SVM to flag arrhythmia beats; evaluated on a small 117-beat dataset with a stratified 70/30 split.

Autonomous Mobile Robot and Robotic Arm | *Solo builds from scratch | C++, ROS 2, Python, STM32, LiDAR, EKF, SLAM*

TECHNICAL SKILLS

AI & Machine Learning: Artificial Intelligence, Generative AI, Large Language Models (LLMs), RAG, AI Agents, LLM Evaluation, Quantization, NLP, Machine Learning (SVM), Model Evaluation (precision, recall, specificity)
Data & ML Tools: Data Processing (Pandas, NumPy, SciPy), Data Pipelines, SQL, scikit-learn, TensorFlow, Jupyter
MLOps & AI Operations: Ollama, Model Serving, Docker Compose, GitHub Actions (CI/CD), Monitoring, Load Testing
Programming & Software Development: Python, TypeScript (Next.js), C++, C, C# (.NET), Java, SQL, APIs, Application Integration, Workflow Automation, Git, Linux, Agile
Soft Skills: Analytical Thinking, Problem-Solving, Communication, Teamwork, Technical Documentation, Mentoring
Languages: English (TOEIC 885), German (A2), Chinese (limited working proficiency)

CERTIFICATIONS

TensorFlow Developer Professional Certificate; Machine Learning in Production, DeepLearning.AI | Oct 2026
Retrieval Augmented Generation (RAG); Agentic AI, DeepLearning.AI | Oct 2026; **AI Fundamentals**, Google | Oct 2026

AWARDS

Fast Track Award, TED Venture Catalyst 2026 (Northern Region): won with CareMind among 23 teams | Sep 2026
2nd Prize, Hackathon CE 2026 for Anti-Online Scams | Mar 2026
3rd Prize, ADT MediHack 2026: Exploring AI for Healthcare Solution | Feb 2026
1st Prize, MFU Software Engineering Hackathon 2025, with LINE Developer Thailand | Aug 2025
Academic Distinction, Mae Fah Luang University: cumulative GPA 4.00 in academic year 2024 | Aug 2025