

ACHIRAWAT NIKROPITAK

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Skills

Language: Thai (Native), English (IELTS 6.5)

Programming language: Python, Rust, C++

Professional Skills: AI & LLM, Web Application, Leadership, Public Speaking, Project Management

Education

University

June 2025 - Present

King Mongkut's Institute of Technology Ladkrabang - Software Engineering

Highschool

May 2019 - May 2025

Chonrasadornumrung school - Pre Medical Program

Professional Experience

EEC Innovation Camp

Feb 2023

- Student will learn both engineering and medical field to interpret a leap forward innovation to solve everyone problem.

Medical Observer Queen Savang Vadhana Memorial Hospital

Mar 2023

- Observed daily routines and clinical procedures of healthcare professionals.

Medical Observer Ramathibodi Hospital

Aug 2024

- Observed daily routines and clinical procedures of healthcare professionals.

PTTEP Finding Next Explorer Petroleum Exploration & Geoscience camp

Oct 2023

- Learned to interpret geological maps and identify rock formations that indicate potential oil reservoirs.
- Studied the Finding Oil workflow, from seismic surveys and subsurface imaging to identifying traps where oil and gas are stored.

Competition & Achievement

MIT Media Lab AI & Robotics Hackathon and Competitions 2025

Dec 2025

- **2nd runner-up** Visionary pitching University track
- Designed Neurosentinel an AI Robotic Alzheimer detection that read the EEG signal from the brain and analyze the risk of an Alzheimer
- Developed a multimodal AI designed to detect pre-clinical Alzheimer's and cognitive decline before symptoms appear.

Applied Mathematics Project Student Handicraft Fair 2024

Dec 2024

- **Winner** in Applied Mathematics Project Highschool track
- Designed Ergobrella an ergonomic umbrella featuring an asymmetric canopy.
- Applied mathematical modeling and geometry to calculate the optimal surface area for maximum sun protection.