



# METYTHORN PENN

## PERSONAL PROFILE

Innovative Software Engineer with a passion for crafting efficient and scalable solutions. With 2 years of experience in Data Scientist, I have honed my skills in software development, artificial intelligence and problem-solving. My solid foundation principles combined with hands-on expertise in Python, NextJS, NodeJS enables me to architect and implement robust software systems tailored to meet diverse business needs. I thrive in dynamic environments where I can leverage my analytical mindset to tackle complex challenges and deliver high-quality code. Committed to continuous learning and staying abreast of emerging technologies, I am eager to contribute my expertise to drive innovation and excellence in software development projects.

## GET IN TOUCH WITH ME

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## AWARDS

- A winner of Royal Scholarship under Her Royal Highness Princess Maha Chakri Sirindhorn Education Project to the Kingdom of Cambodia: Mathematics Science at Chiangmai Rajabhat University
- A winner of Government Scholarship: Institute of Foreign Languages in Thai literature (Cambodia) (2017)
- University Scholarship: Western University in English for Communication ( Cambodia ) ( 2017 )

## EDUCATION

- **November 2022 – July 2023:** Diploma of Data Science & Analyst, IT STEP Cambodia (Grade A)
- **25 June 2018 – March 2022:** Bachelor of Mathematics Science, Faculty of Science and Technology, Chiang Mai Rajabhat University, Thailand.(GPA 3.78)
- **13 March – 25 May 2018 :** Basic Thai literature, Rajamangala University of Technology Isan, Surin Campus, Thailand.
- **2012 – 2017 :** High School Diploma, Sompovloun High School, Cambodia (Grade B, score 99.038)

## WORK EXPERIENCE

- **July 2022 – Present :** Data Scientist at ACLEDA Bank Plc.  
**Responsible tasks :**
  - Lead project AI Optical Character Recognition with vendor to read Khmer text from ID Card, Passport. Technology use Python, Tensorflow, Pytorch.
  - Build Web frontend for OCR Project for user to input image and AI will extract text back to user. Technology : TS, NextJS, Tailwind.
  - Build Web for KhmerGPT by fine-tune model from llama2. Technology use Python, Langchain, TS, NextJS, Tailwind.
  - Manage project Khmer Text to Speech and working with vendor
  - Manage project Face Recognition and working with vendor
- **November 2021 – March 2022 :** Former intern as a Data Analyst at Chiang Mai Statistical Office.
- **November 2018 – March 2020 :** Administration Officer at Department of Mathematics, Chiang Mai Rajabhat University.

## Projects

- **January 2023 – Present :** KhmerLLM : Khmer Large Language Model fine-tune from llama2-7B on 52K pairs khmer dataset
  - Technology: Python, Pytorch, Generative AI
  - Link: <https://metythorns-organization.gitbook.io/khmergpt>
  - Status: Development Stage
- **January 2022 – Present:** Sigmoid-X : Khmer E-Learning Platform for Free.
  - Technology: TypeScript, NextJS13, Tailwind, Postgres
  - Link: <https://www.sigmoidx.com>
  - Status: Development Stage

## LANGUAGE

**Khmer** : Native or Bilingual Proficiency

**English** : Professional Working Proficiency

**Thai** : Professional Working Proficiency

## REFERENCE

### CHANINAT CHANTHORN

Advisor and assistant professor at department of Mathematics, Faculty of science and technology, Chiang Mai Rajabhat University, Chiang Mai 50300

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## TECHNICAL SKILLS

- **Programming** : Python, JavaScript, TypeScript
- **AI & Machine Learning** : Tensorflow, Pytorch Keras, Scikit-Learn pycaret, OPENCV
- **Front-End** : ReactJS, Tailwind | Next.JS
- **Back-End** : FastAPI | NodeJS | Express
- **Database** : MySQL, Postgres, MongoDB
- **Others** : Git & GitHub, Docker, Figma

## CERTIFICATIONS

- Mern Stack Developer | Udemy
- Full Stack Web Development Bootcamp
- IBM Data Science Professional Certificate
- Google Data Analyst Professional Certificate

## EXTRACURRICULAR ACTIVITIES

- Participated in 2th RUN FOR CARE MINI MARATHON", Rajamangala University of Technology Isan, Surin Campus, Thailand.
- Participated in Northern Rajaphat International Student Game 2018, Rajaphat LamPang University.