TY KANA

SENIOR YEAR DATA SCIENCE STUDENT

CONTACT

📞 +855 15 309 275

✉️ kanaty0153@gmail.com

📍 Doun Penh, Phnom Penh

🌐 LinkedIn

EDUCATION

2019 - 2021
Preah Sisowat High School

- Successful Completed Graduate from High school

2021 - Present
Institute Technology of Cambodia

- Majoring in Apply Mathematic & Statistic (Data Science)
- GPA: 4.0

SKILLS

- **Programming Language:** Experience with Java, MySQL, and Python (pandas, numpy, sklearn...)
- **Hard Skills:** Statistical Analysis, ML Algorithms, Database Modelling, Supervised Learning and NLP
- **Soft Skills:** Problem Solving, Collaboration, Communication, Adaptive, Flexible, Patient and Time Management.

LANGUAGES

- English (Intermediate)
- French (A2)
- Japanese (Basic)

PROFILE

As a senior student aspiring to break into Data Science. I offer a strong foundation in statistical analysis and programming, coupled with a quick learning ability and problem solving skills. I'm looking forwards to apply my knowledge to real-world challenges and am eager to learning from solving those problems that can be beneficial for society and business owner.

WORK EXPERIENCE

Data Analyst - Spectrum Management & Frequency Department Ministry of Telecommunication and Post of Cambodia
August 2024 - September 2024

1. Conducted **data analysis** for **spectrum price prediction**, including data cleaning, EDA and model development.
2. Built and tested regression model (**Liner, Ridge, Lasso**) and black-box models (**Random Forest, SVR**) with **Ridge regression** performing best.
3. Gained knowledge of spectrum allocation, telecommunication, regulation and the important of frequency spectrum in various industries.

Secretary Office Volunteer – Phnom Penh Saat Campaign
October 2024 – November 2024

1. Managed **administrative tasks**, including **scheduling**, **preparing documentation**, and **maintaining records** to support office operations effectively.
2. Assisted in digital campaign coordination, ensuring timely communication and organization for successful campaign execution.

Data Science Intern - Scholarar (Startup Company)
December 2024 – April 2025

1. Developed an **automated data scraping pipeline** for scholarships using **Selenium, Playwright,** and **WebDriver**.
2. Built a **scholarship recommendation system** using **Python (Flask)** and **practiced writing OOP**, **PostgreSQL**, and **pgvector** for efficient data storage and retrieval.
3. Implemented **vector-based search** with **Zilliz** and **OpenAI embeddings** for better matching.
4. Gained experience in **API development, testing** with **Postman**, and used **Docker** to set up an isolated environment for pgvector, ensuring efficient data storage and management..
5. Worked closely with backend, frontend, and DevOps teams, applying **SCRUM** and **Agile methodologies** efficient project execution

REFERENCE

Professor. Phann Reaksmey

Phone: 071 851 9457

Email : phann.raksmey@gmail.com

Professor. Touch Sopheak

Phone: 011 871 508

Email : touch.sopheak@itc.edu.kh