



CONTACT

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Doun Penh, Phnom Penh

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EDUCATION

2019 - 2021

Preah Sisowat High School

- Successful Completed Graduate from High school

Institute Technology of Cambodia
2021 - Present

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

SKILLS

- **Programming Languages:** Java, MySQL, Python (Pandas, NumPy, scikit-learn)
- **Machine Learning:** Supervised Learning, ML Algorithms, Feature Engineering, Deep Learning (TensorFlow, PyTorch)
- **Data Processing:** Data Preprocessing, Big Data Processing (Spark, Hadoop)
- **Databases:** Database Modeling, SQL
- **Analytics & Visualization:** Statistical Analysis, Data Visualization
- **Natural Language Processing (NLP):** Text Processing, Sentiment Analysis

LANGUAGES

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

TY KANA

APPLY FOR DATA SCIENCE POSITIONS

Portfolio

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 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

• 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 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.

REFERENCE

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