

Chhaythean LY

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St. 1928 Oknha Mong Reth Thy, Khan Sen Sok, Phnom Penh, Cambodia

OBJECTIVE

I am actively seeking for 2-3 months internship in Data Analyst, Statistics, Game develop intern and Machine Learning.





EXPERIENCE & VOLUNTEER

- Mentor of Tech For Kids Academy**  February 2025 - May 2025
Phnom Penh, Cambodia
Programming Instructor
 - Volunteering as a mentor: Leading Junior division of Tech For Kids Academy
- Institute of Technology of Cambodia**  November 2024 - June 2025
Phnom Penh, Cambodia
Programming Instructor
 - Teaching Volunteer Program: Python Programming and Libraries for Data Science
 - Provided the course of Introduction to Machine Learning to sophomore year student in ITC
- Institute of Technology of Cambodia**  December 2024 - May 2025
Phnom Penh, Cambodia
Mathematics and Physics Tutor
 - Leader of team Mathematics Senior Teaching Junior 2024-2025
 - Volunteering as a math instructor: Provided Mathematics (Calculus I & II) courses to freshman of ITC
 - Volunteering as a physics instructor: Provided Physics (Mechanics and Thermodynamics) courses to freshman of ITC
- Institute of Technology of Cambodia**  February 2023 - June 2023
Phnom Penh, Cambodia
Mathematics Tutor
 - A volunteering as a math instructor: Provided Mathematics for Engineering courses to Freshman of ITC

EDUCATION

- Institute of Technology of Cambodia** February 2023 - Present
Phnom Penh, Cambodia
Engineering's degree in Data Science
 - GPA: 4.00/4.00
- Reaksmey Sophorn High School** 2017 - 2022
Kampong Thum, Cambodia
Secondary Education
 - Class Ranked: 1st

PROJECTS

- Emotion Based Music (Emotify): The music recommendation system based on emotion** April 2025 - May 2025
Tools: [Python, Node.js, React, FastAPI, JavaScripts, HTML, DeepFace, YoutubeAPI] 
 - Developed a system for music recommendation based on the emotion
 - Build an engine for emotion detection and music recommendation system (Backend)
 - Created user-friendly interface for the system
 - Finally, achieved the full stack website
- AMS-Agent: The Course Recommendation System using Machine Learning** February 2025 - May 2025
Tools: [Python, Django, Rest Framework, HTML, CSS, JS, K Nearest Neighbor, XGBoost] 
 - Developed a system for personalized course recommendation
 - Applied Machine Learning Algorithms for course recommendation
 - Implement with Django Framework for user-friendly interface usage
 - This project was an university project from Mini-Project Class
- E-commerce Website: A coffee shop website building with Django** January 2025 - February 2025
Tools: [Python, Django Framework, HTML, CSS, Java Scripts] 
 - Developed a coffee shop website using Django framework
 - Build fully E-Commerce Webpage
 - Integrated with MySQL
- Disease Prediction with Machine Learning** December 2024 - January 2025
Tools: [Python, Streamlit, Linear Regression, Random Forest, Gradient Boosting] 
 - Developed a website using Streamlit, achieving Disease Prediction website based on the user input's symptoms

- Implemented the code logic for Khmer Translation
- Research to include the precaution for each disease for users.

- **Mathematical equation behind the Traffic Flow**

November 2024 - December 2024

Tools: [Python, Machine Learning, Dynamics System]



- Observed and successfully built the mathematical equation describe the phenomena of the Traffic Flow
- Using Machine Learning to predicted the safety speed usage

- **Clothes Management System**

July 2024 - August 2024

Tools: [C++ Programming Language]



- Built the a system from scratch for Clothes Management System
- Implemented with Excel for user easy to handle the income

SKILLS

- **Programming Languages:** Python, C & C++, R, HTML, CSS, Java and Java Scripts
- **Database Systems:** MySQL
- **Data Science & Machine Learning:** NLP, Scikit-Learn, NLTK, TensorFlow, PyTorch, Numpy, and Pandas
- **Specialized Area:** Statistics, Machine Learning, Applied Mathematics, Data Scientist
- **Mathematical & Statistical Tools:** Excel, R-Programming, PowerBI, and Python
- **Other Tools & Technologies:** \LaTeX , Microsoft Office, Jupyter Notebook

HONORS AND AWARDS

- **100 % Scholarship for Bachelor's Degree in ITE, RUPP**

December 2022

MoEYS



- 100 % Scholarship for study in department of Information Technology Engineering at RUPP
- Rejected due to personal reasons

LANGUAGE

- **Khmer**

Mother Tongue



- **English**

Intermediate-Level



- **French**

Intermediate-Level



CERTIFICATIONS

- **Senior Teaching Junior 2023-2024**

2024

- **MOSC**

2022

ADDITIONAL INFORMATION

Interests: Machine Learning, Pure Mathematics, and Statistical Learning

Hobbies: Watching Anime, Badminton, Football, and Reading

REFERENCES

1. **Dr. MUTH Boravy**

Mathematics Lecturer, Department of Applied Mathematics and Statistics

Institute of Technology of Cambodia

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2. **Mr. OL Say**

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