SENG Lay | 5th Year Student

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🏠 Location: Phnom Penh, Cambodia

PERSONAL PROFILE

An enthusiastic individual dedicated to learning and growth in a fast-paced working environment. As a motivated and results-driven student with a strong passion for technology, I am eager to gain practical experience in data science and committed to the advancement of Machine Learning (ML) and Artificial Intelligence (AI).

EDUCATION

College / University	Major	Year
Institute of Technology of Cambodia	Engineering of Data Science	2020 - Current
Hun Sen Krong Tepnimith High School	High School Diploma	2019 - 2020

CORE SKILLS

- Applied Mathematics and Statistics
- Data Analysis
- **Data Engineering**: Database (MySQL, PostgreSQL, MongoDB), PySpark
- **Machine Learning**: NumPy, Pandas, Sklearn
- **Data Visualization**: Excel, PowerBI, Tableau, Matplotlib, Seaborn
- **Programming Language**: Python, R, C/C++, Java
- **Documentation**: LaTeX
- **Tools**: Visual Studio Code, Jupyter Notebook, Jupyter Lab, Git, GitHub, Overleaf
- **Core Languages**: English (Intermediate) & French (Elementary)

INTERNSHIP

- **Internship Program** - Ministry of Labour and Vacational Training   **14th Aug - 29th Sep, 2023**
  - Automated data extraction from specific websites (Domestic and International).
  - Conducted Data Exploration and Pre-processing.
  - Performed Exploratory Data Analysis (EDA).
  - Stored processed data in a database.
  - Implemented Data Visualization using a Streamlit app.

PROJECT

- **Garage Parking Management System** - Institute of Technology of Cambodia   **Jun, 2024**
  - Built and managed the database using MySQL and DBeaver
  - Created SQL procedures for efficient data manipulation
  - Developed a web application with Python, Flask, HTML, and CSS
  - Integrated Flask with MySQL for seamless database interactions

- **SBA Loan Prediction** - Institute of Technology of Cambodia **Jun, 2023**
    - **SBA** (Small Business Administration) Loan Prediction, Conducted thorough data analysis, including exploration, cleaning, and visualization, performed Exploratory Data Analysis (EDA) to understand data structure, and applied Logistic Regression for predictive modeling.
- **Job Analysis - Salary Prediction** - Institute of Technology of Cambodia **Jul, 2023**
    - The individual employed web scraping for data collection, conducted comprehensive data exploration, pre-processing, and visualization.
    - Performing Exploratory Data Analysis (EDA) and feature engineering, implemented classification models (KNN, SVM, Gradient Boosting), and hosted the project on Streamlit for interactive exploration.

CERTIFICATION

- **Machine Learning Specialization** - Coursera
    - **Supervised Machine Learning: Regression and Classification** - Coursera **Apr, 2024**
- **2024 Data Science Camp (Intermediate Level)** - HGU UNITWIN **Feb, 2024**
- **Generative AI for Everyone** - Coursera **Dec, 2023**
- **SQL and Relational Databases 101 by IBM** - cognitiveclass.ai **Nov, 2023**
- **2023 Data Science Camp (Standard Level)** - HGU UNITWIN **Aug, 2023**
- **2023 UNESCO UNITWIN Data Analytics Camp** - HGU UNITWIN **Feb, 2023**

EXPERIENCE

- **IT Support Volunteer, SEA GAMES** - Morodok Techo Stadium **5th, May - 17th, May 2023**
    - Data Entry (Accreditation Center)
    - Handle Athletes and Volunteers Infomation

REFERENCES

- Name: PHAUK Sokkhey, Ph.D
- Position: Deputy head of department of applied mathematics and statistics (AMS) and Head of Master Program of Data Science
- Tel: +855 12 939 310
- Email: phauk.sokkhey@itc.edu.kh

- Name: LONG Pakrigna
- Ph.D Candidate, Universiti Kuala Lumpur (Unikl)
- Position: IT Lecturer (Data Science and AI), Institute of Technology of Cambodia (ITC)
- Tel: +855 10 644 496
- Email: long.pakrigna@itc.edu.kh