



# MORK MONGKUL

Data Scientist | Background in  
Applied Mathematics and Statistic



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<https://www.morkmongkul.me>

## EDUCATION

### Bachelor of Data Science in Engineering

Institute of Technology of  
Cambodia

11/03/2022-DD/04/2026

### Graphic Design and Media

Instinct Institute

2022-2023(Graduate)

### BAC II(National Exam)

Hunsen Kransramor High School

2018-2021

## CERTIFICATION & EXTRA

- Data Scientist Nanodegree Program (**Udacity**)
- Google Data Analytics (**Coursera**)
- SQL and Relational Databases 101 (**Conignite**)
- Microsoft Power BI Data Analyst (**Coursera**)
- Data Warehouse Concepts, Design, and Data Integration(**Coursera**)
- Machine Learning Specialization 2022(**Coursera**)
- UNESCO UNITWIN Data Science Camp (**UNESCO UNITWIN and Handong Global University**)
- Career-Ready Web Developer(**FrontendMaster**)
- The Frontend Developer Career Path (**Scrimba**)

## TECHNICAL SKILLS

- **Programming:** Python, JAVA, SQL, R, HTML/CSS, Javascript, Typescript, nodejs.
- **Libraries:** Pandas, NumPy, OpenCV, Pillow Matplotlib, Seaborn, Scikit-learn, Pytorch...
- **Tools:** Power BI, Tableau, Excel, Jupyter Notebook
- **Database:** MySQL, SQLite, SQL Server
- **Other:** Git, Canva, Figma, Adobe PS, AI, PR, AE, Cinema 4D

## LANGUAGE

- Khmer -Native
- English -B2
- French -A2

## PROFILE

I am a Data Science and Engineering undergraduate with a creative background in graphic design and digital marketing. My transition into the data field is backed by proficiency in Python, SQL, data visualization (Power BI, Tableau), and a passion for uncovering insights through data. With hands-on experience in analytics, reporting, and campaign optimization, I am seeking for the opportunity to further develop my skills in Data Science, Data Analytics, Business Intelligence, or Data Engineering.

## MOST RECENT PROJECTS

### Enhancing Khmer Sentiment Analysis using Transformer

#### Model

Fine-tuned multilingual transformer models (**mbERT**, **XLM-RoBERTa**) on a custom-labeled Khmer dataset to improve sentiment classification. Focused on data preprocessing, tokenization, and model evaluation, addressing challenges in low-resource language processing.

### Customer Churn Analysis

Performed exploratory data analysis and feature engineering on customer behavior data to predict churn using logistic regression and random forest. Delivered actionable insights to improve customer retention strategies.

### Object Detection and Localization

Developed a computer vision system using YOLOv5 for real-time object detection. Trained on custom datasets and evaluated model precision, recall, and bounding box accuracy.

### Job Search Data Visualization

Created an interactive dashboard using Tableau, Power BI and Python to visualize job market trends, salary ranges, and keyword frequency. Enabled better career planning through data storytelling.

### Data Warehouse Design

Designed a scalable data warehouse schema for a retail business using dimensional modeling. Implemented ETL processes to integrate data from multiple sources for business intelligence reporting.

## WORK EXPERIENCE

### Research Data | Data Engineer & AI engineering

#### Cambodia Development Resource Institute (CDRI) — 2026–Present

- Assisting in developing CDRI datahub website
- Helping in designing a database for CDRI datahub, data catalogue.
- Making Interactive data visualization of CDRI website.
- Integrating AI chatbot assistant for CDRI datahub website.

### Graphic Designer & Digital Marketing

#### K-auto Premium, Hi Yamoto Auto Premium Spare Parts, Sankrant Café — 2020–2024

- Designed brand assets and social media content
- Managed Facebook pages and ad campaigns
- Analyzed engagement data to improve content strategy
- Delivered reports with insights to boost visibility and sales