

NGEN TINA

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SUMMARY

Third-year student with a strong foundation in data science, including machine learning, statistical analysis, and programming (Python, SQL). Proven ability to apply technical skills to practical projects, such as developing a predictive model for diabetes diagnosis. Seeking a data science internship to leverage analytical expertise and contribute to data-driven solutions.

EDUCATION

Institute of Technology of Cambodia (ITC)

Feb 2023 - Present

Bachelor of Engineering in Data Science

Relevant Coursework: Machine Learning, Probability and Statistics, Linear Algebra, Object-Oriented Programming, Data Structures, Algorithms, Programming for Data Science

TECHNICAL SKILLS

Data Science & Machine Learning

Languages Python (Pandas, NumPy, Scikit-learn, TensorFlow, Keras, PyTorch), SQL Concepts Machine Learning, Deep Learning, Data Analysis, Computer Vision,

Natural Language Processing

Tools Jupyter Notebook, Google Colab

Programming & Development

Languages C++, Java, JavaScript, PHP, HTML, CSS

Databases MySQL

Tools Git, GitHub, VS Code, PyCharm, Figma, Spring Tool Suite

PROJECTS

CamTour: Tourism ChatBot for Tourists in Cambodia

Ongoing

Team Project

- · Leading a five-person team as Team Lead, managing the project from concept to delivery.
- · Developing the core features of the Android application and integrated an AI model for chat bot.
- · Overseeing web development and UI/UX design to ensure a seamless user experience.
- · Role: Team Lead, Web Development, & AI Model Integration
- · Tools Used: Qwen3, Mistral AI, Hugging Face, Next, Node, Express

Emotify: Music recommendation system based on Facial Emotion (*) Apr 2025 - Jun 2025 Team Project

- · Developed an application capable for recommending a bunch of songs based on user's facial image input
- · Role: Front-end Development & API Integration
- · Tools Used: Python, Node.js, React, FastAPI, JavaScripts, HTML, DeepFace, Youtube API

CornGaurdAMS: System Detecting Corn Disease ()

Mar 2025 - Jun 2025

Team Project

- · Engineered a real-time disease detection system for corn plants using Convolutional Neural Networks (CNN) with 91% accuracy.
- · Built an efficient system that provides near-instantaneous disease classification, enabling farmers to take proactive measures.
- · Role: Team Lead, ML Model Development & Front-end Development
- · Tools Used: Python, JavaScript, Django, React, RestAPI

Type-2 Diabetes Diagnosis Classification \bigcirc

Nov 2024 - Jan 2025

Team Project

- · Developed a classification model for Type-2 Diabetes using multiple machine learning algorithms including XGBoost, Decision Tree, and Random Forest.
- · Achieved an accuracy of 99% and an F1-score of 99% on the test dataset, effectively identifying early-stage diabetes indicators.
- · Role: Team Lead & Machine Learning Engineer
- · Tools Used: Python, Scikit-learn, Pandas, XGBoost

EXPERIENCE

LLM, ReDA Lab

ITC, May 2024 - Present

Role: Web Development & Basic LLM

- · Developing Large Language Model for Khmer Language.
- · Developing a ChatBot that can respond interactively in Khmer language.

CVAI-U, ReDA

ITC, May 2024 - Present

Role: OCR Model Development

- · Applying Computer Vision in real-world projects
- · Integrated AI with Real-World Problems by creating a tool to extract data from camera and providing a system to aid associated problems

Programming Tutor Assistant

ITC, Nov 2024 - Jun 2025

- · Help teaching juniors Programming Languages like C and C++.
- · Teaching Programming Concept, Data Structure, and Algorithm (DSA).