NGEN TINA

github: NgenTina ⋄ portfolio: ngentina-portfolio.vercel.app

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SUMMARY

Motivated third-year data science student at the **Institute of Technology of Cambodia (ITC)** with hands-on experience in Python, Deep Learning, and Machine learning. Developed predictive models and computer vision solutions through academic and outside projects. Passionate about using **Artificial Intelligence (AI)** and data-driven approaches to solve real-world problems and create measurable impact.

EDUCATION

Institute of Foreign Languages (IFL)   *February 2024 - Present*
Bachelor of English
Coursework: Introduction to Sociology (Writting Skills I & II), Literature Studies, Introduction to Development Issues, Global Studies, Introduction to Environmental Studies

Institute of Technology of Cambodia (ITC)   *February 2023 - Present*
Bachelor of Engineering in Data Science
Coursework: Calculus (I, II, & III), Linear Algebra, Probability, Differential Equation, Statistics, Numerical Analysis, Machine Learning

TECHNICAL SKILLS

Programming Languages	Python, R, SQL, JavaScript/TypeScript, Java, C/C++, HTML/CSS, Latex, PHP
Python Packages	Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Keras BeautifulSoup, Selenium, Jupyter, Matplotlib, Seaborn, Plotly
Frameworks	Next, React, DJango, FastAPI, Flask, DEF BeautifulSoup, Selenium, Jupyter, Matplotlib, Seaborn, Plotly
Software & Tools	Git/GitHub, Docker, RStudio, VSCode, SpringToolsSuite 4, PyCharm, Anaconda/MinicondaPostgreSQL, MySQL, SQLite Tableau, Power BI

PROJECTS

CamTour: Tourism ChatBot for Tourists in Cambodia   Ongoing
Team Project

· Developing an application for both national and international tourists wanting to get more information in terms of Tourism in Cambodia.
· Role: Team Lead, Web Development, & AI Model Integration
· Tools Used: 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

· Developed an application that can identify corn disease given a picture of corn leaf
· Role: Team Lead, ML Model Development & Front-end Development
· Tools Used: Python, JavaScript, Django, React, RestAPI

Type-2 Diabetes Diagnosis Classification ○   Nov 2024 - Jan 2025
Team Project

· Developed a Machine Learning model which can classify whether one has type-2 Diabetes
· Role: Team Lead & Machine Learning Engineer
· Tools Used: Python, Scikit-learn, Pandas, XGBoost

Bookshop Website Design ○   Nov 2024 - Feb 2025
Team Project

· Developed an e-commerce website for selling books.
· Role: Front-end Development & Database Design.
· Tools Used: SQLite, Python, DJango, HTML, CSS, Vanilla JavaScript

EXPERIENCE

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).

ADDITIONAL INFORMETION

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