SOVANNMONYREAK HING

SENIOR FRONT-END/ DATA ANALYST - MACHINE LEARNING

I am a full-stack engineer, and front-end development and visualization are my top priorities. I focus on efforts that give application performance and user experience equal weight. I also spent around two years studying machine learning and deep learning during my academic career; I even chose this area for my final-year defense.

CONTACT

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- ⦿ Phnom Penh, Cambodia

LANGUAGES

- English (Business)
- Khmer (Native)

SKILLS

- Python (Pandas, NumPy, MatPlotLib, Scikit-Learn, Tensorflow, Pytorch, BeautifulSoup, Selenium)
- SQL (SQL Server, MySQL, PostgreSQL)
- NoSQL (MongoDB)
- Excel (VLookup, Conditional Formatting, Pivot Tables)
- R Programming language

EDUCATION

- Bachelor of Science in Computer Science – Paragon University – Phnom Penh, Cambodia 2017-2021

- High school diploma – Zaman International School Phnom Penh, Cambodia 2012-2017

- Primary school diploma – ចតុមុខ Primary School Phnom Penh, Cambodia 2005-2012

PROFESSIONAL CERTIFICATE

- Python Basic
- SQL Basic
- Foundations: Data, Data, Everywhere
- Ask Questions to Make Data-Driven Decisions
- Prepare Data for Exploration
- Google Data Analytics

PROJECTS

SCRIPTING AND ANALYSIS – PERSONAL PROJECT
This project focuses on developing Python skills by scripting data from online shops using tools such as Beautiful Soup, NumPy, Matplotlib, and Pandas. Project link.

DEWORKO PROJECT –THESIS
The project uses TensorFlow and ml5 to detect and train a model to predict workout movements based on user data. Project link

OCR – PERSONAL PROJECT
This project focuses on extracting text from images and converting it to PDF or text format, using Tesseract and Express frameworks. Project link

PLANT PREDICTION – PERSONAL PROJECT

Image Processing and TensorFlow and Keras training models are used to detect disease in plants. Project link

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PARAGON UNIVERSITY – DATA ENGINEER

May 2021- July 2021

Collecting data, cleaning data, and creating an API that clients may access. Analysis and distribution of jobs, development of RNN models, internal component creation, and API deployment. Technical environment: Heroku, Hunspell, FastAPI, and Symspellpy.

IG TECH GROUP – FRONTEND ENGINEER

May 2022- Dec 2022

Responsible for creating the project's foundation and design, creating reusable internal components, UI and UX design, code review, and mentoring a new front-end developer.

IG TECH GROUP – AI RESEARCH AND DEVELOPMENT

July 2022- Dec 2022

Help lead and support team in AI industry, sharing information on processing images and videos using Tesseract, Python, and TensorFlow.

SOUSDEY CAMBODIA – CHATBOT & WEB DEVELOPER

Feb 2018 - Aug 2018

As a web developer and chatbot, I was responsible for creating and managing upcoming events at a telecom company. Technical environment: Angular 2, NodeJS, Python (flask), and Facebook SDK.

MANGO BYTE – MID-LEVEL FULL STACK DEVELOPER

Oct 2021 - Apr 2022

Created a maintainable core system/website for Japanese clients, using Ruby on Rails, Nest Js, Vue JS, database design, integration with payment gateway, and legacy systems maintenance.

PRINCIPAL DEVELOPER & FULL STACK DEVELOPER

Dec 2021 - Oct 2022 (Site Hustle)

I worked on a site hustle project for an NGO in Cambodia to give rural residents a voice by conducting surveys and updating records online. I created a feature that allows data to async when there is no internet and upload when there is. The technical environment was VueJS, MongoDB, and Express Js.

DR TECH CO., LTD – SENIOR FRONTEND DEVELOPER

March 2022- Present

Working as a senior-level developer in a streaming platform, creating UI, SDK, internal components, reviewing code, and analyzing and distributing tasks using Vue JS, Nuxt JS, Figma, Draw.io, Nest JS, Ovenmediaengine, and Srt protocol.