CURRICULUM VITAE

APPLY FOR: DATA SCIENTIST INTERN

ABOUT ME

Name: CHAN SOPHARA
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SUMMARY

I am a Fourth-year Data Science student at ITC passionate about Data Analysis and Visualization. Skilled in Python, SQL, Machine Learning, and Power BI. Seeking an opportunity to apply my skills and eager to learn more.

WORK EXPERIENCE

Junior Data Analyst (Internship)
Digital Government Committee (DGC) │ 24 Jul 2024 – 30 Dec 2024
- Data cleaning and processing
- Extracting data through REST API (Python/Requests), cutting manual effort by 40%
- Creating Power BI dashboard for government products
- Supported Power BI development, documentation and research for 2 main products of government .
- Conduct research on D3.js for website dashboard development.
- Build a website dashboard based on Power BI work
- Research and develop new ways to improve the visualisation and features of the products
- Enhancing mobile view visual .

PROJECT EXPERIENCE

Rule based chat bot (RPC)
Team Lead │ 3 Apr 2025 - 26 Apr 2025
- Add chat bot assistant feature in food delivery system with interactive and modern design
- Create another server using flask for chat bot
- Handle orders, checking menu, location, special offer, social media, about team, etc.

Food delivery system
Team Lead │ 24 Feb 2025 - 23 Apr 2025
- Design user friendly and interactive Front End for Khmer restaurant using HTML, CSS, JS
- Work on Back End using Flask server and store data in SQLite, MySQL
- Design separate Admin page and dashboard for checking customer data in real time, handle customer order, printing order transcript.

Driver drowsiness detection
Team member │ 4 Nov 2024 - 20 Feb 2025
- Build a machine learning model to detect the drowsiness and alert the driver while driving
- Combining and connect with Arduino for alerting the driver
- Model: ZFNet (Accuracy= 89.59%) - Primary, CNN (Accuracy=93.96%) - fallback.

Traffic light and sign detection and recognition
Team Lead │ 18 Oct 2024 - 02 Dec 2024
- Build a model to detect traffic light and traffic sign
- Classify what traffic sign it is
- Classification: CNN (97.84% image accuracy)
- Detection: YOLOv8 (99% image / 80% video accuracy).

Database project: Hospital management system
Team member │ 20 Mar 2024 - 30 Jun 2024
- Create database in MySQL
- Create ER diagram and evaluation of attribute
- Create table of list all attribute.
- Write the queries in MYSQL Workbench

Mini project: Loan Prediction
Team member │ 20 Mar 2024 - 20 Jun 2024
- Collect data from Kaggle as the tables.
- Applied machine learning methods to build model deploy on web application of Loan prediction.
- Connect the features data in to Python and start data analyst and data visualization using Python.

Programming of Data Science Project: Web Scraping
Team Lead │ 1 Jun 2024 - 30 Jun 2024
- Using some tools to scrape such as BeautifulSoup4 and Scrapy.
- Scrape from webs such as Books store, Car Monkey and security in Cambodia.

EXTRACURRICULAR ACTIVITIES

- Career Fair (ITC)
- Workshop on FinTech (Youth and Financial Technology)
- Techno Innovation Challenge Cambodia (ITC)
- Introduction to Machine Learning (ITC)
- Introduction to Natural Language Processing (ITC)
- Data Science Seminar (KIT, Japan)
- Data Science Workshop (Dichi Academy)
- Training on Digital Transformation in Engineering (Board of Engineers, Cambodia)
- Workshop on "The Power of Data Science and Cybersecurity" (USAID Representative)
- ASEAN Data Science Explorer (SAP)

EDUCATION

Bachelor Degree of Data Science
Institute of technology of Cambodia │ 2022 - Present
- Major in Applied Mathematics and Statistic

Graduated from high school
Sovannaphumi School │ 2021

Certifications & Project demos
- Certifications and project demonstration are in my portfolio

TECHNICAL SKILLS

- Programming: Python, R script, JavaScript, HTML/CSS
- Databases: SQL (PostgreSQL, MySQL, SQLite), NoSQL
- Data Tools: Power BI, Tableau, Metabase
- Machine Learning & AI Frameworks: TensorFlow, Keras, Scikit-learn, OpenCV
- Data Analysis & Techniques: Data Cleaning, Web Scraping (BeautifulSoup, Scrapy) Predictive Modeling, Statistical Analysis
- Soft Skills: Creativity, Critical Thinking, Communication, Teamwork, Self-management

LANGUAGES

- English (Fluent)
- Khmer (Native)

REFERENCES

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