





Bhuribhat Ratanasanguanvongs

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Objective

I am currently studying fourth-year engineering at Chulalongkorn University. I am interested in Data Scientist and Machine Learning. I am eager to learn new things, and I hope to work with you in the future.

Education

Bachelor of Engineering in Computer Engineering 2020 – present

Chulalongkorn University – GPAX 3.17

Applied Science Program, Triam Udom Suksa School – GPAX 3.59

Certificates: [python for data science](#), [python project for data science](#), [google data analytics](#), [machine learning with python](#), [neural networks and deep learning](#), [convolutional neural network](#)

Work Experience

Machine Learning Engineer Internship, bit.studio 2023

- Developed a recognition model for American Sign Language fingerspelling utilizing Transformer technology, competition hosted by Google I/O 2023
- Developed an advanced video-to-video with text prompt control 8-bit animation pipeline. Utilized generative models like stable diffusion and ControlNet in combination with the YOLO multi-pose estimation model

PET-CT brain scan, 2023

- PyTorch implementation of the Siamese U-Net for image semantic segmentation
- Identify specific regions of interest within the images on Chula Brain PET/CT scan dataset
- Worked collaboratively within a diverse team consisting of individual study students, professor, and a doctor

Projects

Text Classification, 2023

- Developed a language detection model using sklearn for language identification
- Utilized Tensorflow to develop an LSTM model for text classification
- Created a REST API using FastAPI and Docker for deploying ML model
- github.com/Bhuribhat/Text-Classification

Traffy Fondue Clustering, 2023

- Utilized PyTorch to develop an efficientnet model for image classification on Kaggle data
- Data pipeline development using numpy, scipy, pandas, Airflow and Docker
- ML pipeline development using Mlflow and sklearn to perform K-means clustering
- Visualization through interactive dashboard using folium, seaborn and streamlit
- github.com/Bhuribhat/Traffy-Clustering

Real-Time Car Detection, 2022

- Gather data from Kaggle dataset to create model using cascade classifier
- Using OpenCV to perform image processing for detecting and counting on video footage
- github.com/Bhuribhat/Vehicle-Detection-Project

Discord Bot, 2020

- Scrape websites for filtered job listings using BeautifulSoup
- Automated the process of sending daily schedules and important assignment notifications
- github.com/Bhuribhat/Discord-Bot

Skills

- Software knowledge: MS Office, MS Excel, MS PowerPoint, Power BI, Tableau, Gephi
- Programming Languages: Python, Java, JavaScript, C, C++, Scala, R, SQL
- Language: Thai (Native), English (CU-TEP 77 / 120), basic Chinese and German

Extracurricular activities

- Member of CU Basketball Club, 2020 - 2021
- Member of CU Game Developer Club, 2020
- Hobbies: engage in gaming, basketball, movie, and music