ARNUPARP CHEAMMARERNG

———— Computer Engineer Graduate ————

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Experiences

Kanagawa Institute of Technology   Kanagawa, Japan
AI Researcher Intern   Jan 2024 - May 2024

- KAIT Internship program in **Human Machine Symbiosis laboratory**
- Developed a deep learning model used for patient's condition prediction
- Integrate the model to use with robotic system for acquiring data and data visualization
- Knowledge sharing on AI technology with colleagues from the laboratory

LINEMAN WONGNAI   Bangkok, Thailand
Software Developer Intern (Android)   May 2023- July 2023

- Mobile Developer in an Agile environment with the usage of JIRA
- Perform End to End testing with QA from other teams
- Construct unit tests and automatic End to End testing using QA tools in Kotlin
- Worked with UX/UI Designer to change the UI features of the application
- Add API into BFF(Backend For Frontends) and also update proto gRPC version given by the QA of the team

Projects

GAIT Pattern Prediction(Python)

- This project is created to leverage the use of AI in pattern recognition to predict the basic condition of patient (Normal, round-movement, etc.) and pattern generation
- The model is a combination of Convolutional Neural Networks (CNN) and Long Short-Term Memory (LSTM) for sequential extraction
- Created visualization in skeletal form using mock data and python libraries
- Use different inputs to test suitability of the model, images (**96%**) and skeletal points from OpenCV (~**70%**)

Genogram Construction(React.js + Node.js + Python)

- An interactive web application for creating genograms from household survey data to aid social workers
- Developed the frontend of the website and integration of data insertion to PostgreSQL
- Integrate the ability to auto-fill missing data using machine learning

Skills

Python, PyTorch, Tensorflow, Java, Javascript, Kotlin, Typescript, Git, Agile, MLFlow, Langchain, SQL, CI/CD

Education

Sirindhorn International Institute of Technology

Bachelor of Engineering in Computer Engineering

- **Courseworks**: Deep Learning, Machine Learning, Big Data Analytics, Algorithms, Software Engineering
- **GPA**: 3.51 (Graduated First-class honor)
- **Scholarships**: Term by Term Scholarships (1/2022, 2/2022, 1/2023)

Graduated in 2024

Extracurricular

- **OIT x SIIT**: Participated in Osaka Institute of Technology iPBL (International Project-Based Learning)
- **NLP Hackathon**: Participated in Natural Language Processing hackathon on the topics of Slot Filling and Intent Classification
- **Deep Learning projects:** Dog breeds classification, TV script generation, Face generations, Diabetes prediction