

TANATHORN PIYACHART

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EDUCATION

Chulalongkorn University	Bangkok, Thailand
Bachelor of Engineering in Computer Engineering GPA: 3.6	August 2023 - Present
Relevant Courses: Data Science and Data Engineering, Statistics, Computer Engineering Mathematics, Database Systems, Software Engineering	
Saint Gabriel's College	Bangkok, Thailand
Science-Mathematics program GPA:3.78	2011-2022

PROFESSIONAL EXPERIENCE

Bankok Bank Public Company Limited	May 2024 - July 2024
Software Engineering - Data Internship	
<ul style="list-style-type: none">- Designed and developed Data Product Registration website using React and Python- Developed authentication for the Data Product Registration website using OAuth.- Developed and deployed a data pipeline solution for Custom Data Catalog utilize bash script and Apache Airflow for scrape 900 database tables on daily basis- Verified the impact of the data migration over 300 BI dashboards of the analytics team, resulted in 98% successful data migration, with errors found in 13.33% of the cases.- Developed a scraping program for Talent of Robinhood site using Selenium and BeautifulSoup, enabling the HR team to create acquisition deals with senior management	

ACADEMIC & RESEARCH PROJECTS

BiteBuddy Software Engineering CU	May 2024
<ul style="list-style-type: none">- Designed and developed the frontend and backend for restaurant reservation website using Next.js, Express, and MongoDB	
GameProject Programming Methodology CU	May 2024
<ul style="list-style-type: none">- Developed 2D RPG game by using Java for game logic and JavaFX for GUI	
BackendProject Software Development Practice CU	May 2024
<ul style="list-style-type: none">- Developed Backend for the restaurant reserve website utilize Express and MongoDB	
FrontendProject Software Development Practice II CU	May 2024
<ul style="list-style-type: none">- Developing Frontend for the restaurant reserve website utilize Next.js	
FishTank IoT Embedded System CU	December 2024
<ul style="list-style-type: none">- Developed an IoT device using ESP32, Firebase, Apps Script, and YOLOv11 for real-time fish tank monitoring, automated notifications, and fish movement detection.	
Chulalongkorn's Global Research Collaborations DSDE CU	December 2024
<ul style="list-style-type: none">- Created a data analytics platform with PySpark and Streamlit for geospatial clustering, interactive visualizations, and integrated web scraping using Selenium for data collection.	

SKILLS

Programming Skill Python, JavaScript, Java, C++, C
Data Science, Engineering and Analytic Spark, Kafka, scikit-learn, Streamlit
Web Development PostgreSQL, MongoDB, Pandas, Flask, HTML/CSS, React, Next.js, Express
Tools & Technologies Git, GCP, Linux, Looker, Firebase

ACTIVITIES

Membership in Marketing and Communication of Engineering Student Committee	2024
Membership in Corporate and Communication of Engineering Student Committee	2023
2nd runner up of Hackathon challenge by THG and MedInt	March 2023
iRAIC2023 by KU	May 2023
POSN1 Physics Olympiad Camp	October 2019