Pichitapat Charoendhammatad

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website : github.com/pichitapat/Portfolio

PROFILE

Motivated and results-driven engineering graduate seeking a challenging position within a large organization as a Data Analyst. Offering knowledge in data analysis and Machine Learning knowledge, with a proven ability to drive efficiency, deliver successful outcomes, and collaborate within teams.

EDUCATION

Chulalongkorn University   **Aug 2019 - Aug 2023**

Bachelor of Chemical Engineering / GPAX 3.03

Lifelong Learning Program, Chulalongkorn University   **Jun 2022 - Sep 2022**

Machine Learning and Time Series Analysis / Computer Engineering

Satriwithaya School   **May 2013 - Mar 2019**

Gifted math program / GPAX 3.71

ACADEMIC PROJECT

Credit card approval / Machine Learning and Time Series Analysis Course   **Jun 2022 - Sep 2022**

- Investigated features in an imported dataset that profiles individuals whose loan applications were previously accepted, utilizing statistical measurements and data visualization methods
- Performed data preprocessing by encoding categorical features to train, evaluat, and fine-tune models using evaluation metrics to identify the best model
- Interpreted the results, determining the most important features influencing loan acceptance

Conceptual design and Economic analysis of Bioactive compounds extraction process from T.Crispa (borapet) using water and ethanol as solvents / Engineering Project Course   **Aug 2022 - May 2023**

- Developed and simulated unit operations in production process from laboratory scale to industial scale
- Integrated economic knowledge to assess market needs and calculate Total Capital Investment (CapEx) and Cost of Manufacturing (COM)
- Analysed Cash flow to predict break-even of an investment
- Optimized usage of utility in the process to reduce Cost of Manufacturing

EXTRACURRICULAR ACTIVITIES

First runner-up in Legal Business Case Competition, Legal Tech   **Nov 2021 - Feb 2022**

- Conducted research to address class-action lawsuit issues involving the aggregation of individuals with similar legal claims
- Created an effective customer journey to develop an A-class application that can build a reliable community for the victims
- Designed UX/UI of A-class application

Member of Coding Club, High Tech club under CU Innovation Hub   **Sep 2021 - Dec 2021**

- Learned and practiced web coding in various languages such as HTML, CSS, and React by completing assignments individually and as part of a team

Mini Hackathon Competition Participant, CU SCI Startup   **Jun 2021**

- Initiated a product from coffee ground waste to make an effective recycling product as an Antioxidant microneedle patch and developed a business model from the product

Chief of Staff of Engineer Freshy Camp, Chulalongkorn University   May 2020 - Jul 2020
- Led and planned the overall activities to achieve the purpose of the camp and impress participants
- Cooperated with staff to efficiently allocate work to others and address immediate problems to ensure the proper execution of tasks

Member of Volunteer Camp, CSR department of Engineering Student Committee   Nov 2020
- Collaborated with a construction team to enhance a poultry house for chickens in a rural area

WORK EXPERIENCE

Process Safety Engineer Intern, IRPC Pub Co., Ltd.   Jun 2022 - Jul 2022
- Evaluated and analyzed the risk management of leakage in the specific area associated with identified hazards by quantifying the consequences of incidents
- Involved in Process Safety Management (PSM) Internal Audit of Propylene plant

QUALIFICATION & SKILLS

Laguage skills	Thai (Native), English (TOEIC 790)
Technical skills	Python, Pandas, sklern, Matplotlib, SQL, HTML, CSS, Javascript, React Power BI, Visio, Figma, MS Excel / Word / Powerpoint, Aspen plus, ALOHA
Soft skills	Quick Learner, Analytical, Teamwork, Problem sloving, Communication