Rafi Pangestu

E-mail: rafibintangpagi@gmail.com
Mobile: +6589200453

https://www.linkedin.com/in/rafi-pangestu/
https://github.com/rafpang/

Internship Availability: April 2023 – August 2023 (Full-Time)

EDUCATION

Nanyang Technological University, Singapore   Aug 2021 – Jul 2025

Bachelor of Engineering (Honours) - Chemical and Biomolecular Engineering (Current CGPA: 4.60/5.00)

Selected Coursework: Engineering Statistics, Intro to Data Science & Artificial Intelligence

SKILLS

- **Analytics:** Python (Pandas, NumPy, Seaborn, Matplotlib), SQL, Tableau, MS Excel, MATLAB, AWS RDS, GCP, Google Sheets, PySpark, MongoDB
- **Machine Learning**: Scikit-Learn, XGBoost, Keras, PyTorch, Optuna
- **Toolkits:** Git, Jupyter Notebook, Visual Studio Code, Bash terminal, Google Colaboratory, pgAdmin4
- **Web Development:** HTML, CSS, JavaScript, Bootstrap, React.js, Next.js 13, Tailwind
- **Data Engineering:** Apache Airflow, Hadoop, Data Modelling
- **Spoken Languages:** English, Bahasa Indonesia
- **Others:** Corporate Liaising, Public Speaking, MS Word, MS Powerpoint

CO-CURRICULAR ACTIVITIES

NTU Indonesian Students Orientation (PINTU GTD XXV)   Sep 2022 – Present

Lead Business Manager

- Leading a team of 12 members to raise funds and manage cashflow of 4000 SGD for NTU Indonesian Students Orientation.

Indonesian Cultural Night Musical Production (ICN 2023)   Jul 2022 – Feb 2023

Director of Corporate Liaison

- Spearheaded a team of eight people alongside a co-director to raise 20000 SGD for an original Indonesian musical.
- Orchestrated flower sales during NTU class of 2022 convocation and event D-day, amassing more than 1500 SGD in profit.
- Liaised with external parties (Bank Indonesia, Indonesian Embassy in Singapore, and others) and amassed 3000 SGD worth of sponsorship money.
- Secured and organized canvassing deals with NUS and Standard Chartered, resulting in deals worth 5000 SGD in total.
- Assisted in marketing and ticketing sales, the team collectively selling 600+ tickets (worth around 13000 SGD in revenue).
- Presented the show as *emcee* during the night show to an audience of 450+ people.

NTU School of Chemical and Biomedical Engineering (SCBE) Student's Club   Sep 2021 – May 2022

Assistant Director of Social Events

- Spearheaded a team of 11 members to create 3 social events for SCBE undergraduate students.
- Hosted SCBE Trivia Night 2021 and doubled the participation rate compared to last year's SCBE Trivia Night.
- Orchestrated SCBE Festival Week, a 3-day physical festival event with various booths which had 100+ unique participants.

PESONAL PROJECTS

Full-stack Happiness| ETL, Analytics, AWS RDS, Python, PostgreSQL, Tableau, Excel [GitHub Link] [Tableau]

- Took data from various sources (OECD, Statista, etc.) and carried out data cleaning using Python and Excel.
- Engineered an AWS RDS instance and uploaded data using PostgreSQL (utilizing Psycopg2 and pgAdmin4).
- Mined the database and carried out EDA with Pandas and PandaSQL to analyze data using SQL syntax.
- Designed a dashboard of the factors contributing to life-satisfaction index using Tableau for European countries.

Wheelchair Accessibility Prediction | Classification, Python, XGBoost, Scikit-Learn [GitHub Link]

- Developed a machine learning model to predict whether an event is wheelchair accessible using XGBoost.
- Wrote data analysis and reasoning for feature engineering techniques using markdowns and visualization packages.

React Personal Website| HTML, CSS, React.js, ChakraUI [GitHub Link] [Website]

- Developed a personal website using React.js, ChakraUI, and Next.js 13.