

Tubagus Baraka Kautsar Sofiuddin

barakakautsar@gmail.com | +1 (347) 4630857 | www.linkedin.com/in/barakakautsar

I am a senior year undergraduate student studying Information System and Technology at Bandung Institute of Technology (ITB). I am driven by a strong passion for data and a keen interest in becoming a data scientist. Eager to apply my analytical skills in a challenging and dynamic environment, I have developed proficiency in English and hands-on experience with a variety of tools and technologies for effective data management and analysis.

EDUCATION

Bandung Institute of Technology - Information Systems and Technology

2020 – Present

- Current GPA: 3.45/4.00 (121 *credits*)

NYU Tandon School of Engineering - GE3 Student Exchange Program

Fall Semester 2023

EMPLOYMENT HISTORY

Data Analyst Intern, PT BNI Life Insurance

(June/2023) – (August/2023)

- Worked with a team in gathering and documenting business requirements, ensuring alignment with project objectives and stakeholder needs.
- Conducted client meetings to gather information regarding reporting needs and translated them into technical specifications for data extraction and report development.
- Created an interactive Tableau dashboard, replacing 2 reports and improving reporting efficiency by about 60%.

RELATED PROJECTS

Smart Systems Collaboration Project (II4035)

(February/2023) - (May/2023)

- Collaborated with a cross-functional team to create a machine learning model based system for predicting property prices.
- Conducted data scraping, cleaning, preprocessing, and exploratory data analysis on property price datasets.
- Built and trained a random forest regressor model to predict property prices based on given characteristics.

Database Modeling Final Project (IF2140)

(October/2021) – (December/2021)

- Designed a database modeled after a real-world system (Go-tix ticketing system).
- Implemented optimization and normalization algorithms in the database design to eliminate redundancy and ensure the highest level of integrity.
- Created, modified, and managed the database using MySQL to best suit the system's needs.

Database Management Final Project (II2250)

(April 2022)

- Analyzed a given database for schema tuning and indexing to improve performance based on frequently used queries using PostgreSQL.
- Optimized a given query, providing multiple equivalent alternative queries to enhance query performance and reduce processing time.

SKILLS

- Data Analysis: Data Scraping, Exploratory Data Analysis, Data Cleaning, Data Preprocessing, Machine Learning Model Development.
- Programming Languages: Python, Java, C, SQL, Javascript, HTML/CSS.
- Tools: Tableau, Jupyter Notebook, Git, Figma, Docker, FastAPI

LANGUAGES

- Indonesian (Native Speaker)
- English (IELTS Band 7.5)