



VANESSA CHANS

+62 815 2233 777 | [Portofolio Website](#) | [Tangerang Selatan](#) |   

A fourth-year Computer Science student majoring in Database Technology with a strong passion for data-driven solutions and web/app development. Recently completed a Data Engineer internship at Blibli.com, where I honed my skills in data processing and optimization. Passionate about designing helpful solutions to real-world challenges and making a meaningful impact. I'm also active in both university and external organizations, volunteering and self-improvement initiatives.

EDUCATION

Bachelor of Computer Science - Bina Nusantara University Sept 2021 - May 2025 (Expected)
Grade: 3.90/4.00

- Activities: Software Laboratory Assistant at BINUS Alam Sutera's Software Laboratory Center, HIMTI (Himpunan Mahasiswa Teknik Informatika) activist in responsi division
- Volunteering: Logistics Committee for ICPC 2022, English Tutor for One Million Help 2023, Campus Tour Guide for freshmen

PROFESSIONAL & ORGANIZATIONAL EXPERIENCE

Data Engineer Intern - PT Global Digital Niaga Tbk. (Bibli.com) Feb 2024 - Feb 2025

- Developed and optimized ETL pipelines using **Apache Airflow** for **BigQuery**, **PostgreSQL**, and **MongoDB**, including new table creation, schema updates, and data migrations.
- Improved the team's internal platform by implementing new pages, features, and bug fixes on both frontend (**Vue.js**) and backend (**Django**), ensuring seamless integration with data pipelines on Airflow.
- Researched and integrated **Gemini AI** for **BigQuery** query optimization, conducted performance testing, and automated anti-pattern detection using BigQuery, Python, and encryption techniques to enhance query execution efficiency. Optimized queries, reducing their daily execution costs by up to 99%.

Software Laboratory Assistant - BINUS LCAS (Laboratory Center Alam Sutera) Feb 2023 - Jan 2024

- Taught Web Design, Human Computer Interaction (**HTML**, **CSS**, **JS**, **JQuery**), Pattern Software Design (**ASP.NET**), Database Technology (**MySQL**), Computational Physics (**Python**), Business Application Development (**Java**, **JavaFx**) to 300+ students majoring in Computer Science and Information Systems.
- Taught in English for global classes.
- Create practicum exam cases and mark students' assignments, projects, and practicum exams accordingly.
- Made several tutorial videos, course guides, and held extra classes to help students understand the course better.

Responsi Activist - HIMTI BINUS University March 2022 - Jan 2024

- Coordinated 5 people as PIC to summarize courses into easy to read handouts and create tutorial videos on Database Technology, Software Engineering, and Compilation Techniques.
- Mentored a group of new activists and introduce them to the organization.
- TECHNO 2022 Coordinator - HIMTI KIT Division
 - Coordinated 14 people to make university courses' handouts for freshmen, set up registration system for the event, and build the event's official website.
- TECHNO 2023 Treasurer
 - Plan and manage the event's spending and income thoroughly and effectively, mentored the coordinators.

Student Scholarship Mentor - BINUS SASC (Student Advisory & Support Center) Feb 2023 - Jan 2024

- Tutored Calculus for all Computer Science students in the Even 22/23 semester, and mentored 3 students for the Odd 23/24 semester. Received great feedback from the students.

SKILLS & PROFICIENCIES

- C, R, Java, Python - *Programming Language*
- Apache Airflow, Google BigQuery, PostgreSQL, MongoDB, ETL Development - *Data Engineering*
- Pandas, Scikit-Learn, RapidMiner, Tableau Dashboard, Apache Spark ML, SQL - *Data Analytics*
- Figma, HTML, CSS, ReactJs, NextJs, VueJs, Laravel, Android Studio, Django REST - *Web/App Programming*
- English - *Intermediate Level*
- Teamwork, multitasking, public speaking, team management, and attention to detail