



SYAUQI AKMAL DEFFANSYAH

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I am a Computer Science student at Bina Nusantara University, currently in my eighth semester. I have expertise in various programming languages, including NodeJS, NextJS, ReactJS, PostGIS, Golang, C, Python, Java, HTML, CSS, and JavaScript. I aspire to become a web developer, mobile developer, UI/UX designer, and full-stack developer, specializing in creating responsive and user-friendly applications using modern web development tools and frameworks. I am highly passionate about crafting visually appealing digital solutions and thrive in collaborative team environments.

Education Level

Bina Nusantara University

09/2021 - Present

School of Computer Science - Undergraduated, 3.49/4.00

SMK Telkom Jakarta - Graduated

07/2018 - 07/2021

Teknik Transmisi Telekomunikasi

- Included in the top 20 highest graduation scores at SMK Telkom Jakarta.

Experience

Project Petahilirisasi.id with Bina Nusantara University - Jakarta

17/11/2024 - 3/02/2025

<https://github.com/syauqiakmal/petahilirisasi> or <https://petahilirisasi.id/>

- Involved in the development of **Petahilirisasi**, a geospatial technology-based platform that supports the downstream processing Area Nikel, Bauxite, Silica Sand of natural resources in Indonesia.
- Built the platform using **React.js** for the front-end and **Leaflet** for interactive map visualization, integrating geospatial data with **PostGIS** and **FastAPI** for efficient data management.
- Overcame technical challenges, including multi-layer geospatial data rendering and optimizing real-time data visualization, through self-learning and team collaboration.
- Contributed to the development of the **interactive map** and **landing page**, ensuring an intuitive user experience while enhancing data accessibility for policymakers and stakeholders.
- Developed problem-solving, collaboration, and communication skills, which played a crucial role in ensuring the project's success and impact.

Towards Virtual Humans Framework with Emotions Model as Indonesian Folklore Storyteller make ChatGPT Clone with Expo & React Native with Bina Nusantara University - Jakarta

17/10/2024 - 14/11/2025

<https://github.com/syauqiakmal/Chatgpt-Clone-with-history-of-indonesia>

- Developed a ChatGPT-based virtual human framework that serves as an Indonesian folklore storyteller, integrating AI-driven emotional expressions to enhance storytelling experiences.
- Built the mobile application using **React Native** and **Expo**, ensuring smooth cross-platform deployment on both Android and iOS.
- Integrated OpenAI's API for natural language processing and emotion-driven responses, enabling dynamic interaction based on the context of the folklore being narrated.
- Implemented a **secure environment variable management** system to protect API keys and sensitive information, ensuring data privacy and compliance with best security practices.

Internship at Binus University in project GeoBee Dashboard - Jakarta

18/02/2024 - 18/02/2025

https://github.com/syauqiakmal/Geobee_Dashboard or <https://geobee.id/>

- Involved in the development of **Geobee Dashboard**, a geospatial technology-based platform for waste management in Tangerang City.
- Built the platform using **React.js** and various geospatial tools such as **PostGIS** for data storage, while also learning to integrate it with **FastAPI**.
- Overcame technical challenges, including **Shapefile compatibility** and **large data rendering optimization**, through self-learning and team collaboration.
- Contributed to **dashboard mockup creation**, **scientific paper writing**, and **tutorial development**, all of which had a positive impact on the project. [GeoBeeDashboard: An Intelligent Geospatial Platform for Enhancing Waste Management in Tangerang City | IEEE Conference Publication | IEEE Xplore](#)

- Developed **problem-solving, collaboration, and communication skills**, which supported the effectiveness of teamwork in the project.

Project Furniture - Jakarta

Repository Furniture Shop Website

10/2023 - 11/2023

- Created an **interactive and user-friendly UI** to enhance the shopping experience.
- Developed and designed a responsive **Furniture Shop Website** using **HTML, CSS, and JavaScript**.
- Implemented **responsive design** to ensure compatibility across devices.

Organizational Experience and Certificates

Author & Presenter of Paper at International Confrance on Data Science Its Aplication (ICoDSA) - Jakarta

7/2025

Perenter Certificate

Bina Nusantara Computer Club - Jakarta

1/2022- 11/2022

Member in Frontend Certificate

- **Built and structured web applications** using HTML, CSS, and JavaScript.
- **Developed responsive user interfaces** with CSS Flexbox, Grid, and media queries.
- **Implemented dynamic functionality** using JavaScript for DOM manipulation and API integration.
- **Integrated Firebase services** for authentication, real-time database, and cloud storage.
- **Optimized performance and accessibility** to enhance user experience.
- **Worked collaboratively on projects** using Git and version control systems.

Skills, Achievements & Other Experience

- **Soft Skills:** Organized, Communication, Time Management, Teamwork, Responsible, Creative
- **Hard Skills :** Nodejs, Nextjs, React native, ReactJS, PostGIS, Golang, Laravel, SQL, C, C++ Python, Java, HTML, CSS, and Javascript, Proficient with advanced knowledge of Microsoft Office Suite (Word, Excel, and PowerPoint), Figma and Canva.