

Laila Bilbina Khoiru Nisa

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EDUCATION

Bandung Institute of Technology
Informatics Engineering

Bandung, West Java, Indonesia
August 2021 – October 2025

PROJECTS

Simple Chat-GPT

Front-End Developer (April 2023)

- Developed a chatbot to assist users in obtaining answers to their inquiries efficiently.
- The application employs a straightforward QA approach, utilizing string matching algorithms like Knuth-Morris-Pratt (KMP) and Boyer-Moore (BM) to identify the most relevant questions based on user input.
- Collaborated with team members.
- Tech stack used: JavaScript, HTML, CSS using React framework, MySQL

BikiniBot

C# Developer (August 2023)

- Successfully implemented the BFS algorithm and integrated it into the application, resulting in a functional and efficient solution to the puzzle.
- Developed a program that solves the Traveling Salesman Problem (TSP) using BFS algorithm in C#.
- Tech-stack used: C#, .NET

Galaxio

Front-End Developer (April 2023)

- Contributed to the development of an AI bot aimed at achieving victory in the Galaxio game through strategic algorithms.
- Implemented a greedy algorithm strategy, prioritizing food consumption for size enlargement, and alternating between attacking opponents when the bot's size surpasses theirs, or evading opponents when the bot's size is inferior, to sustain presence on the map and secure victory.
- Collaborated with team members to refine algorithmic approaches and optimize bot performance.
- Utilized Java programming language within IntelliJ IDEA, integrating NodeJS and .Net Core 3.1 for necessary program dependencies.

Finding Home

Full-Stack Developer (April 2023)

- Successfully implemented the UCS and A* algorithms and integrated them into the application, resulting in a functional and efficient solution to the puzzle.
- Developed a program that solves the shortest path based on the Google Maps map of roads in the city of Bandung using UCS and A* algorithms.
- Tech-stack used: Python

Face Recognition

Full Stack Developer (November 2023)

- Participated as a team member in developing a facial recognition application using Eigenvalue techniques (Eigenface).
- The project aims to identify a person's face for security and other biometric identification purposes.
- Implemented techniques such as Euclidean distance, cosine similarity, and principal component analysis (PCA) in the development of the program.
- Actively collaborated with team members to design and implement efficient solutions.
- Utilized Python as the primary programming language and Vscode as the code editor, with Figma used for interface design.

JOPI

Front-End Developer (April 2024)

- Developed a web application facilitating online ticket purchases for observatory/planetarium locations, enhancing user convenience.

- Implemented a user-friendly interface using Vite, React, TailwindCSS, and TypeScript, ensuring responsiveness and an engaging user experience.
- Collaborated with the team to design efficient application logic, ensuring seamless user experience from ticket selection to payment processing.
- Integrated with the backend using TypeScript, ExpressJS, and NodeJS to provide stable and reliable backend services.
- Implemented data management using PostgreSQL to store information about locations, tickets, and user transactions.
- Utilized Docker for portability and consistent development environment management.

Bondoman

Android Developer (April 2024)

- Designed the android layout using Figma
- Successfully developed an Android application that tracks and manages transaction data using Kotlin.
- Integrated transaction data into Room database using the repository pattern.
- Developed and integrated a graph to display the management of transaction data.
- Developed CRUD (Create, Read, Update, Delete) functionality for transaction data.
- Developed a scanner to add new transaction data.
- Developed a feature to save and send transactions via email.
- Tech-stack used: Kotlin, Figma, SQLite

Experience

- Technical: JavaScript, .NET, C#, Go, Python, C++, Django, HTML, CSS, Java, Kotlin, Flutter, PHP

SKILLS

- Technical: JavaScript, .NET, C#, Go, Python, C++, Django, HTML, CSS, Java, Kotlin, Flutter, PHP
- Frameworks/Tools: Laravel/Lumen, React.js, Vue.js, Tailwind.css, NodeJS, Next.js, Prisma, Postman, PSQL, Pgadmin, Figma, Docker, Git, Mongo
- Skills: Object Oriented Programming, Data Structures, Web-based Development, Android Development, Database
- Language: Indonesian (Native), English (Intermediate)