

# MUHAMMAD NAJMI BRILIANT

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An Information Systems student at the University of Indonesia, who is diligently cultivating skills to become a software engineer. My journey is marked by hands-on projects, to enhance my proficiency and broaden my technical expertise.

## EDUCATION

### UNIVERSITAS INDONESIA

Depok, West Java

#### Bachelor of Information Systems, Faculty of Computer Science (IPK 3.81)

Jun 2022 - Current

**Relevant Coursework:** Programming Foundations 1 & 2, Data Structures and Algorithm, Platform-Based Programming, Enterprise Application Architecture & Programming, Database, Information System Analysis and Design, IT Project Management

**Languages:** Python, Java, Javascript, Typescript, Dart

**Tech Stacks:** Spring Boot, Django, FastAPI, Next.js, Remix, React, HTML/CSS, Tailwind CSS, Bootstrap, Flutter, PostgreSQL, MongoDB, git, Figma

## EXPERIENCE

### ● SOFTWARE ENGINEER INTERN

Feb 2025 - Jun 2025

Lab Information Retrieval & Natural Language Processing Faculty of Computer Science UI

- Developed a full-stack sentiment analysis web application utilizing Next.js for the frontend, FastAPI for the backend API, and Python for data processing, delivering real-time sentiment insights from Twitter data.
- Defined product requirements and user flows in collaboration with academic advisors, ensuring alignment with research objectives and usability goals.
- Created documentation and onboarding material for future development teams, improving handover efficiency and long-term maintainability of the product.

### ● PRODUCT DELIVERY INTERN

Aug 2024 - Nov 2024

AI Rudder

- Collaborated with product delivery and engineering teams to optimize AI-powered voice and chatbot solutions, improving response accuracy by 20% and enhancing user experience.
- Conducted detailed flow and data analysis of voice and chatbot interactions, identifying key inefficiencies and implementing improvements that increased automation success rates by 15%.
- Analyzed voice bot recordings to maintain high-quality interactions, contributing to a 30% reduction in chatbot error rates and ensuring seamless customer communication.

### ● TEACHING ASSISTANT OF PROGRAMMING FOUNDATIONS 2

Jan 2024 - June 2024

Teaching Assistant at University of Indonesia

- Assisted in teaching foundational programming concepts using Java to 400+ students, improving overall class comprehension and coding proficiency.
- Collaborated with the lecturer and fellow teaching assistants to prepare and grade 50+ assignments and labs, ensuring fair and consistent evaluation.
- Conducted weekly tutorial sessions, resolving 90% of student queries related to coursework and programming projects, enhancing their understanding of Java, leading to a 100% student assignment completion rate.

## PROJECTS

### ● SIJAGUNG - DAILY FRESH INTERNAL SYSTEM

Feb 2025 - May 2025

PT. Daily Fresh Indonesia • (Internal System)

- Led the development of 'Sijagung,' an internal information system to digitalize and centralize production, warehouse, and purchasing operations for PT. Daily Fresh Indonesia.
- Implemented features for real-time stock monitoring, management of raw materials and finished goods, and streamlined purchasing processes, aiming to reduce human error and increase efficiency by up to 90%.
- Designed and built the system with a 3-tier architecture, utilizing Next.js for the front-end, Spring Boot for RESTful APIs in the back-end, and PostgreSQL for the database, deployed on Google Cloud Platform.

### ● VOLKER INTERNAL PROJECT MANAGEMENT AND DASHBOARD WEBAPP

April 2025 - May 2025

Volker Indonesia • (Internal Website)

- Developed an internal project tracking and financial dashboard to streamline team collaboration, expense management, and incentive distribution, using Next.js, TypeScript, and Tailwind CSS for a responsive and scalable interface.
- Implemented role-based access control with SSO integration, ensuring secure authentication and tailored workflows for approval hierarchies, financial monitoring, and project assignments.
- Designed real-time financial dashboards with dynamic charts and exportable reports (Excel), enabling teams to track income, outcomes, and pending transactions, while automating incentive calculations for finished projects.