

MARVIN GULTOM

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PROFILE

I am a fresh graduate of the Informatics Engineering Study Program at the Faculty of Information Technology, Tarumanagara University, who has completed my undergraduate thesis. I am known as a fast learner, honest, communicative, disciplined, and responsible. In addition, I have an interest in learning new things and am able to adapt quickly in a new environment. I am excited to implement the knowledge and skills I have to contribute to the progress of the company and my personal development.

EDUCATION

S1 Informatics Engineering, Tarumanagara University

2022 - 2025

GPA: 3.87/4.00

Relevant Courses : Application Developer, Web Developer

- Successfully developed a mobile banking and e-commerce application using Flutter with Firebase as the database
- Create an e-commerce web with HTML, CSS, JavaScript, Express.js with MongoDB as the database

EXPERIENCES

FTI UNTAR (February 2024 - December 2024)

Research Assistant

September 2024 - December 2024

- Assisted lecturers in research in Cianjur, teaching 5th-grade students at *SDN Panyaweuyan* how to use laptops for ANBK preparation
- Assisting lecturers in teaching *Guru Penggerak* how to use several AI Chatbots
- Assisted lecturers in teaching 11th-grade students at *SMAS Diponegoro 3 Rawamangun* and *SMA Santo Bellarminus Jakarta* how to use RapidMiner for sentiment analysis
- Assisting lecturers in teaching *Guru SD 2 Kalideres* how to use Perplexity AI

Laboratory Instructor

February 2024 - June 2024

- Responsible for overseeing laboratory practice sessions
- Helped more than 100 students complete program errors
- Taught more than 59 students in the courses Computation II and Numerical Methods

Lecturer Assistant

August 2024 - December 2024

- Teaching 74 students from various study programs how to use RapidMiner and Gephi tools in the Social Media Analysis course
- Taught more than 100 students in the courses Front End Programming and Introduction to Operating System

The House of Representatives, Republic of Indonesia (DPR RI) (February 2025 - August 2025)

Fullstack Developer Internship

February 2025 - August 2025

- Developed and maintained web-based applications using PHP in a local development environment powered by Laragon
- Built and managed backend logic and database interactions for internal systems
- Utilized DBeaver to manage, query, and maintain relational databases
- Implemented basic frontend features and integrated them with backend services
- Conducted debugging, testing, and system improvements to ensure application stability
- Collaborated with supervisors and team members to gather requirements and implement system features

PROJECT

Sentiment Analysis Website	February 2024 - July 2024
• Successfully developed a Sentiment Analysis Website using an English Language with VaderSentiment method through Python Programming Language	
R.E.M Beauty Website	February 2024 - July 2024
• Successfully developed a beauty e-commerce website with HTML, CSS, JavaScript, Express.js, and MongoDB as the database	
Dev Ja Vu Application	February 2024 - July 2024
• Successfully designed and creating Mobile E-commerce Application use Flutter with Firebase as the Database and Figma for the user interface design	
Red Wallet Application	August 2023 - November 2023
• Successfully developed a Mobile Banking Application use Flutter with Firebase as the database	
E-Wisma DPR RI (Internal Reservation System)	February 2025 - April 2025
• Successfully contributed as a Fullstack Developer (Backend-focused) in developing an internal E-Wisma DPR RI system for managing official accommodation reservations	
• Implemented backend logic for reservation workflows, user role management (Super Admin, Pimpinan, Operator, User/PNS), and data validation	
• Managed relational database operations using MySQL and DBeaver to ensure data accuracy and consistency	
DigitAll DPR RI – Internal Administration System	April 2025 - July 2025
• Successfully developed and enhanced features in DigitAll, an internal web-based administrative system at DPR RI	
• Built CRUD-based modules and integrated frontend components with backend services using PHP	
• Ensured system usability and data integrity through testing and debugging	
Website Legalitas (Laravel-based Web Application)	July 2025 - August 2025
• Successfully developed features in a Laravel-based Legalitas website using MVC architecture	
• Implemented CRUD functionalities for Produk, Pegawai, and Mahasiswa modules using Eloquent ORM	
• Designed backend controllers and Blade views to manage and display data effectively	
Undergraduate Thesis – Indonesian Slang Normalization System	August 2025 - December 2025
• Developed an Indonesian slang-to-formal text normalization system using a fine-tuned mT5 model	
• Prepared and preprocessed 6,500+ slang-formal word pairs from multiple datasets	
• Designed hybrid NLP pipeline combining deep learning, rule-based validation, and Levenshtein Distance	
• Implemented a web-based application using Python with Streamlit to handle text input and document input	

ORGANIZATION

DPM FTI UNTAR (Mei 2024 - September 2024)	
Member of ADHOC Committee for the Election of DPM and BEM FTI	Mei 2024 - July 2024
• Gathered and analyzed student feedback regarding the election process	
• Represented student aspirations throughout the election activities	
Member of Forum Komunikasi (FORKAM)	October 2024 - September 2024
• Gathered and analyzed student feedback to identify key concerns campus and areas for improvement	
• Represented student aspirations throughout the forum's activities and initiatives	

ADDITIONAL INFORMATION

- **Technical Skills:** Python, C++, HTML, CSS, Java, PHP, React JS, Express JS
- **Tools:** Microsoft Office (Word, Excel, Power Point), Visual Studio Code, Figma, GitHub, DBeaver, Laragon
- **Soft Skills:** Public Speaking, Time Management, Teamwork, Problem Solving, Communication
- **Languages:** Indonesian (Native), English (Intermediate)
- **Certifications:** Huawei Certified ICT Associate (HCIA) - AI