MUHAMMAD TIMUR KANIGARA

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Fourth-year Informatics Engineering student at Institut Teknologi Bandung with hands-on experience in developing user-facing web applications and backend services. Skilled in JavaScript, React.js, HTML, CSS, and responsive web design, with experience building e-commerce applications and integrating data-driven solutions. Passionate about creating intuitive, functional, and user-friendly web experiences.

Jenjang Pendidikan

Institut Teknologi Bandung - **Bandung, Indonesia** Aug 2023 - Aug 2027 (Perkiraan)

Bachelor of Informatics Engineering, 3.39/4.00

Work & Academic Experiences

MAI - **Jakarta** May 2026 - Nov 2026

AI Software Engineer

- Developed a React.js-based analytics platform supporting 10+ client accounts, featuring client management, data uploads, and API synchronization interfaces.
- Built interactive analytics dashboards with customizable KPIs and manual data editing capabilities.
- Integrated frontend components with FastAPI RESTful services to enable data management, analytics visualization, and automated report generation.
- Implemented user-facing workflows for generating client performance reports with AI-powered insights.

Computational Thinking Course - **Bandung** Sep 2025 - Dec 2025

Practicum Assistant

Supervised and facilitated practicum sessions for approximately 70 students, ensuring smooth execution of hands-on computational thinking exercises. Responsibilities included monitoring student progress during labs, evaluating and grading assignments, and providing timely academic support by answering questions and clarifying course concepts. Contributed to maintaining an interactive and supportive learning environment throughout the practicum.

Socio-Informatics and Professionalism Course - **Bandung** Sep 2025 - Dec 2025

Teaching Assistant

Support the lead professor in delivering a core course on IT ethics, society, and professionalism for 100+ students. Responsibilities include evaluating and providing constructive feedback on student assignments, administering examinations, and upholding academic integrity. Additionally, assist in managing course logistics and providing academic support to students during tutorial sessions.

Projects

Nimonspedia E-Commerce Platform - **PHP, PostgreSQL, Docker**

- Developed responsive e-commerce interfaces for buyers and sellers, supporting product discovery, search filtering, and store profiles.
- Implemented user-facing features and integrated frontend workflows with server-side logic and a PostgreSQL database.
- Collaborated on full-stack development and containerized the application using Docker Compose.

Personal Portofolio Website - **HTML5, CSS3, Vercel**

- Designed and deployed a responsive personal portfolio website showcasing software projects, technical skills, and professional experience.
- Implemented semantic HTML, custom CSS styling, and CSS-based interactive elements to create a consistent user experience.

Automated Resume Screening (CV ATS) Application - **Python, MySQL, PyQt5**

- Developed an automated resume screening application for extracting and evaluating candidate information from PDF documents.
- Implemented KMP and Boyer-Moore string-matching algorithms for efficient keyword identification and text processing.
- Built PDF processing and structured data workflows using PyMuPDF and MySQL.

Keterampilan

- **Frontend Development**: HTML5, CSS3, JavaScript, React.js, Responsive Web Design, UI/UX Implementation
- **Programming Languages**: Python, C/C++, Java, JavaScript, PHP, SQL, Go
- **Backend & Database**: FastAPI, REST APIs, PostgreSQL, MySQL, SQLAlchemy, JWT, WebSockets

- **Tools & Core Concept**: Git, Docker, Nginx, Linux, Data Structures & Algorithms, OOP, Operating Systems