

Ignatius Varrel Santoso

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A Computer Science student with a keen passion for frontend development and design. Has worked on various web and IoT projects during academic studies. Dedicated to crafting clean, maintainable, and aesthetically pleasing code to enhance user experience. Actively involved in campus organizations, fostering strong communication, critical thinking, and decision-making skills. Enthusiastic about making meaningful contributions to frontend development and creating user-focused digital experiences.

ORGANIZATIONAL EXPERIENCE

Himpunan Mahasiswa Teknik Informatika, Bandung

September 2023 – February 2025

Staff Creative and Design

- Led and managed creative design initiatives across multiple events, resulting in consistent brand identity and improved visual communication.
- Coordinated the Design Share IT 2023 program, facilitating knowledge transfer and skill development among 20+ student members.
- Managed event planning and execution for HIMTI Event 2023, ensuring smooth logistics and positive attendee experience
- Designed comprehensive branding materials for HIMTI Anniversary 2023
- Orchestrated the Alumni Gathering 2024 design strategy, strengthening connections between current students and industry professionals.

Keluarga Muda Katolik, Bandung

September 2023 – February 2025

Staff Logistics and Equipment

- Managed equipment and logistics for all KMK Bandung events, ensuring operational efficiency and resource optimization.
- Organized and facilitated a cross-organizational study exchange with MT Al-Khawarizimi, fostering inter-campus collaboration and knowledge sharing.
- Developed and implemented media communication strategies for St. Melania Social Service programs
- Increased customer acquisition by 15% through data-driven customer segmentation and targeted marketing campaigns.
- Led public relations initiatives for community service programs

Teach for Indonesia Student Club, Bandung

February 2023 – February 2024

Staff Community Program Education

- Served on the tutoring committee for LKSA Hikmah 2023, developing curriculum and providing academic support for orphaned children.
- Managed financial documentation and budgeting as Treasurer for the Mountain Fairy 2023 tree-planting event in Gunung Putri Lembang, collaborating with Perhutani to support environmental conservation efforts.

ACADEMIC PROJECTS

AI-Based Movie Recommendation System Website

February 2025 – Present

Machine Learning Engineer and Web Developer

- Developed an AI-powered movie recommendation website using Deepseek API, integrating data fetching and dynamic page rendering with Express.js as part of AI and web development exploration.

Blog Website

January – February 2025

Frontend Development

- Developed a responsive blog website using Next.js, enabling dynamic article listing and providing a smooth user experience while exploring Next.js architecture and modern web development.

Aetherium - Web-Based Restaurant Management System

November 2024 – Desember 2024

Fullstack Web Development

- Developed a restaurant web application using Laravel and Vue.js, enabling real-time menu updates and reservations with MySQL database management through XAMPP.

Leak Notify – Alert System

September 2024 – Desember 2024

Internet of Things

- Developed an IoT system for real-time gas leak detection using NodeMCU ESP8266 and gas sensors, enabling automatic SMS alerts for rapid response.

Stellar Quest – Boarding House Finder App

March 2024 – May 2024

UI/UX Design

- Designed the UI/UX for Stellar Quest, a mobile app that helps students find boarding houses, offering booking services and a reward system for discounts.

EDUCATION

Bina Nusantara University, Bandung

September 2022 – Present

Bachelor Degree, Computer Science

GPA 3.67 of 4.00

SKILLS

- **Technical Skills:** C/C++, Java, Javascript, PHP, SQL, React.js, Next.js, Tailwind, Bootstrap, Laravel, Git, Postman, MySQL
- **Soft Skills:** Problem-Solving, Communication, Teamwork, Public Speaking, Decision Making, Critical Thinking, Growth Mindset.

