VINA NAMIRA ANDRINA ANDIDI

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Portfolio: vinanamira.github.io/portfolio/

SUMMARY

Detail-oriented and solution-driven Diploma in Information Systems graduate with a strong foundation in backend development and database management. Proficient in Laravel, Express.js, SQL, and NoSQL, with hands-on experience building RESTful APIs, real-time data processing, and AI integration using OpenAI. Adept at working in agile teams and delivering end-to-end backend solutions with structured and efficient approaches.

EDUCATION

Telkom University   **Aug 2022 – Jul 2025**
Associate's Degree (D3) in Information Systems   *(GPA: 3.77/4.00)*

PROJECTS

KawalTani | Laravel, MySQL, OpenAI
- Designed and structured the backend architecture along with relational database schemas to support five RESTful APIs used by an intelligent agriculture chatbot system.
- Integrated a fine-tuned OpenAI model trained on over 230 agriculture-related Q&A datasets to provide relevant, context-aware responses to users in natural language.
- Developed Natural Language Processing (NLP) features that enable users to interact with the system using conversational input, dynamically retrieving sensor data from farming devices in real-time.

Hematrik.id | Express.js, MySQL, MQTT, Cron-Job
- Developed modular and secure RESTful APIs for processing health-related surveys and generating personalized nutritional advice based on user goals and preferences.
- Integrated OpenAI to analyze user-uploaded food images, enabling the system to identify food content and generate diet recommendations using AI reasoning.
- Utilized MongoDB to handle flexible, user-specific data structures, supporting seamless data management across diverse user profiles and health metrics.

Alitnest | Express.js, MongoDB, OpenAI
- Developed modular and secure RESTful APIs for processing health-related surveys and generating personalized nutritional advice based on user goals and preferences.
- Integrated OpenAI to analyze user-uploaded food images, enabling the system to identify food content and generate diet recommendations using AI reasoning.
- Utilized MongoDB to handle flexible, user-specific data structures, supporting seamless data management across diverse user profiles and health metrics.

EXPERIENCE

Center of Excellence (CoE) Smart City, Telkom University   **Jul 2024 – Jul 2025**
Junior Backend Developer
- Designed and developed scalable backend architectures for two different web-based systems using Laravel and Express.js, ensuring modular code structure that supports easy maintenance and feature expansion.
- Integrated multiple third-party APIs and communication protocols (including internal middleware) to enable seamless system-to-system interoperability and external service integration.
- Conducted thorough debugging, API profiling, and routine performance optimization to maintain system speed, reduce response latency, and improve reliability under various load conditions.
- Actively involved in the end-to-end development lifecycle of real-world projects such as KawalTani and Hematrik, including technical documentation, team code reviews, user testing coordination, and deployment processes.

School of Applied Science, Telkom University   **Mar – May 2024**
Practicum Coordinator of Computer Network Architecture
- Coordinated the preparation and execution of network architecture lab sessions by ensuring all hardware (routers, switches, cabling) and software environments were fully operational and configured prior to class.
- Delivered practical instruction and technical demonstrations on network device setup, configuration, and basic troubleshooting, directly assisting students with hands-on learning and lab activities.
- Provided one-on-one technical guidance to students facing difficulties during practicals, helping them understand the principles behind physical and logical network topologies.
- Took responsibility for creating weekly student skill assessment reports and compiling comprehensive updates regarding laboratory conditions and technical issues for faculty supervisors.

School of Applied Science, Telkom University   **Sep – Dec 2024**
Teaching Assistant of Web Programming

- Provided hands-on support to students during web programming practicum sessions focused on backend development using Laravel framework and MySQL for database management.
- Helped students grasp core backend concepts such as MVC architecture, controller routing, and efficient SQL queries through guided exercises and mini-projects.
- Collaborated with lecturers to prepare clear, structured practicum materials, while also helping design teaching strategies that promote practical understanding and independent problem-solving.
- Offered personalized academic assistance and mentoring to students struggling with backend development by conducting additional study sessions and applying case-based learning methods.

ORGANIZATIONAL EXPERIENCE

Research & Development – *Chevalier Lab SAS*   **Sep 2023 – Sep 2024**

- Planned and coordinated internal lab initiatives such as workshops and technical discussion forums, covering end-to-end execution from concept to documentation.
- Led the design and implementation of an open recruitment system for new members, including form creation, administrative screening, and structured interview processes.

ACHIEVEMENTS

- **1st Place in Mobile Programming Competition** – CR YOUTH 2024, Telkom University
- **2nd Place UI/UX on National Level** – Vocational of Champions 2024, Universitas Sebelas Maret (UNS)

CERTIFICATIONS

- **JavaScript Programming Basics** – Dicoding Indonesia   **Agt 2024 – Agt 2027**
- **Cloud Practitioner Essentials (AWS Fundamentals)** – Dicoding Indonesia   **Agt 2024 – Agt 2027**

SKILLS

HARD SKILL
- Laravel, Node.js, Express.js
- MySQL, MongoDB
- RESTful API Development
- OpenAI Integration
- MQTT Protocol
- Microsoft (Microsoft Word, Power Point, Excel)
- Google Workspace (Docs, Slides, Spreadsheet)

SOFT SKILL
- Analytical Thinking
- Attention to Detail
- Time Management
- Team Collaboration
- Working Under Pressure

LANGUAGE
- Indonesian (Native)
- English (Intermediate)