

# MUHAMMAD DZAKY ADRIAN

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<https://github.com/dzakyadr> | [linkedin.com/in/dzakyadrian](https://www.linkedin.com/in/dzakyadrian) | <https://portofolio-dzaky-delta.vercel.app/>

Informatics graduate with hands-on fullstack development experience and a strong personal interest in AI systems, independently built and deployed a production AI agent on AWS EC2 with full server hardening and systemd orchestration, and configured additional autonomous agent tooling for automated monitoring and. Delivered a real client project as frontend developer and engineered end-to-end web platforms. Looking for a web developer to grow both application and infrastructure skills.

## EDUCATION

**Bachelor of Informatics | Universitas Islam Indonesia**

**2022 - 2026**

- GPA: 3.53 / 4.00

## TECHNICAL SKILLS

- Programming languages: Python, PHP, JavaScript, Typescript, C#, HTML5, CSS3.
- Frameworks: Laravel, Django, Bootstrap, React.
- Databases & Tools: PostgreSQL, MySQL, AWS (EC2), Docker (basic), Git

## PROJECTS

### Amarta Artha Institute – Institutional Website Development (*Freelance*)

Team project as Front-end Developer - HTML5 | Tailwind CSS | JavaScript

- Acted as primary client contact: ran requirement-gathering meetings, managed expectations, and translated business needs into technical deliverables and built full multi page responsive site (Landing, About, Services, Portfolio) from scratch

### D2C E-Commerce Platform

Personal project as Full-Stack Developer - Laravel | React | TypeScript | PHP | Tailwind CSS | PostgreSQL

- Handled end-to-end: database schema design, backend controllers, and frontend React components and engineered a custom role-based Admin CMS with middleware-protected routes, enabling full catalog management accessible exclusively to authenticated admin users.

### Chesstify - Chess Database Management & Game Analysis Web Application for Professionals

Personal project as Full-Stack Developer - Python (Django) | JavaScript | HTML | CSS | PostgreSQL

- Engineered a high-performance PGN parser utilizing Python, reducing bulk upload processing time for professional game archives.
- Integrated Stockfish 17 chess engine using WebAssembly (WASM) and Web Workers for real-time, client-side position evaluation without server latency.

### AI Agent & Cloud Infrastructure – Personal Project

AWS EC2 | Ubuntu | Python | Node.js | Systemd | REST API

- Deployed a production-grade AI agent on AWS EC2 with full Linux server hardening, systemd service orchestration for 24/7 uptime, and multi-provider AI API integration with custom persona and persistent memory.

## ORGANIZATIONAL & VOLUNTEER EXPERIENCE

**Publication & Design** | Porsematik & PETA FTI, Universitas Islam Indonesia

**2023 & 2024**

Designed visual assets and managed publication materials for university-level events

**Head of KKN Unit 31 UII (Kuliah Kerja Nyata)** - Kotabaru, Yogyakarta

**2025**

- Led a multidisciplinary team of 10 students to execute community development programs in Kotabaru, Yogyakarta.

- Initiated the digitalization of administrative records by supervising the development of a Web-Based Dashboard for the local elderly care organization.
- Managed project timelines and coordinated with village officials to ensure successful program implementation.

**CERTIFICATIONS**

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|---------------------------------------------------------------------|-------------|
| • UI-UX RESEARCH AND DESIGN: FULLSTACK INTENSIVE BOOTCAMP - MySkill | <b>2023</b> |
| • GRAPHIC DESIGN & CANVA BOOTCAMP - MySkill                         | <b>2024</b> |
| • Full-Stack AI Engineer: ML, Deep Learning, GenerativeAI           | <b>2026</b> |
| • Dasar Cloud dan Gen AI di AWS                                     | <b>2026</b> |

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**ADDITIONAL INFO:** Languages: English (Intermediate), Indonesia