

Muhammad Zahran Muntazar

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Final-year Computer Science student at Universitas Padjadjaran (GPA: 3.84/4.00) with hands-on experience in full-stack web development, computer networking, and cybersecurity. Built and shipped production-ready web applications through an industry internship and multiple end-to-end projects built with Next.js, TypeScript, Prisma, and PostgreSQL. Combines a full-stack foundation with practical network and security skills (CCNA-certified) to build software that is secure by design, not just functional.

EDUCATION

Bachelor of Computer Science

Universitas Padjadjaran

Cumulative GPA: 3.84/4.0

Relevant Coursework: Object-Oriented Programming, Database Systems, Web Programming, Software Engineering, Computer Networks, Information Security, Artificial Intelligence, Human-Computer Interaction.

Sumedang, Indonesia

Aug 2023 – Present

EXPERIENCE

PT Mega Persada Utama

Web Developer Intern

Bandung, Indonesia

Feb 2026 – Jul 2026

- Shipped the company's production corporate website end to end using Next.js, TypeScript, Tailwind CSS, and Sanity CMS, delivering the business its first scalable platform to showcase services, projects, and company information.
- Built a CMS-driven content management workflow that enabled non-technical staff to independently update website content, eliminating developer bottlenecks in routine content management.
- Maintained and enhanced the production application by implementing stakeholder feedback, improving maintainability, fixing issues, and delivering new features aligned with evolving business requirements.

Coding Camp 2026 powered by DBS Foundation

Full-Stack Web Developer Cohort

Bandung, Indonesia

Feb 2026 – Jul 2026

- Selected into the top ~4% (1 of 2,800+ from 67,000+ applicants) for the intensive Coding Camp 2026 program, joining the Full-Stack Web Development cohort to build modern web applications.
- Built multiple full-stack web applications covering authentication, RESTful APIs, relational databases, testing, and software engineering best practices using modern development technologies.
- Collaborated with Full-Stack Developers, AI Engineers, and Machine Learning Engineers in Agile development to successfully deliver an AI-powered capstone application within project milestones.

Department of Computer Science FMIPA Unpad

Laboratory Teaching Assistant

Sumedang, Indonesia

Feb 2025 – Dec 2025

- Mentored 90+ students per semester in Database Systems and Web Programming, helping them strengthen technical understanding and practical development skills.
- Reviewed student projects covering database design, SQL implementation, application architecture, and software development best practices, providing technical feedback to improve project quality.
- Conducted consultation sessions supporting students in laboratory assignments, project implementation, and examination preparation.

PROJECTS

OWASP Top 10 Interactive Playground

Jun 2026 – Jul 2026

- Built a bilingual (Indonesian/English) cybersecurity learning platform that visualizes the OWASP Top 10 through interactive, client-side simulations of common web vulnerabilities, including SQL Injection, SSRF, and Cryptographic Failures.
- Implemented custom internationalization, dynamic routing, syntax-highlighted code viewers, and interactive demonstration panels using Next.js 14, React Context, and the App Router.
- Architected a secure, backend-free simulation engine that executes entirely in the browser, providing realistic hands-on learning while eliminating the risk of exploiting actual vulnerabilities.

Skills: Next.js, TypeScript, Tailwind CSS, OWASP Top 10, Secure Coding, Web Application Security.

NutriMatch: AI-Based Nutrition Recommendation App (DBS Capstone Project) **Feb 2026 – Jun 2026**

- Led cross-functional collaboration across Front-End, Back-End, Machine Learning, and Data teams as Project Manager and Full-Stack Developer.
- Directed sprint planning, distributed technical tasks, and tracked project progress to ensure all milestones were delivered on schedule.
- Engineered core personalized health features, integrating biometric profiling, BMR/TDEE calculations, allergen filters, and AI-driven meal recommendations.

Skills: Next.js, TypeScript, Tailwind CSS, Prisma, RESTful API, FastAPI, Python, Machine Learning Integration.

NusaGraph: Semantic Geographic Knowledge Graph **Feb 2026 – Jun 2026**

- Built an interactive semantic web application for exploring Indonesian geographic knowledge, combining map visualization, knowledge graphs, and SPARQL-powered search to make linked data accessible through an intuitive interface.
- Implemented interactive map layers with React Leaflet, entity relationship views, RDF inspection tools, and knowledge graph exploration to visualize complex geographic datasets and their semantic connections.
- Integrated Semantic Web standards (RDF, SPARQL) with a modern Next.js full-stack architecture, enabling users to discover geographic entities through linked data queries without requiring technical SPARQL knowledge.

Skills: Next.js, TypeScript, Tailwind CSS, React Leaflet, SPARQL.

LEADERSHIP & ORGANIZATION

Himatif FMIPA Unpad **Sumedang, Indonesia**

Career Development Department Staff

Feb 2024 – Dec 2024

- Connected Himatif members with career and internship opportunities and developed a career insight program to help students understand industry expectations.
- Organized a company visit program that introduced students to professional software development environments and industry practices.

Informatics Festival 2024 **Sumedang, Indonesia**

Vice Project Manager of Technopreneur

Feb 2024 – Oct 2024

- Established partnerships with 7+ organizations, including Dicoding, Mekari, GITS.ID, and Kolaborasi, and attracted 150+ seminar participants across 15 business teams.
- Coordinated 3 keynote speakers, 4 workshop mentors, and 3 competition judges, contributing to a participant satisfaction score of 9.1/10.

CERTIFICATIONS

Cisco Networking Academy

- CCNA: Enterprise Networking, Security, and Automation (*Jul 2026*)
- CCNA: Switching, Routing, and Wireless Essentials (*Jun 2026*)
- CCNA: Introduction to Networks (*May 2026*)

Dicoding Indonesia

- Back-End Fundamentals with JavaScript (*Jun 2026*)
- Fundamentals of Web Applications with React (*Apr 2026*)
- Front-End Web Development for Beginners (*Apr 2026*)

ADDITIONAL

Technical Skills:

- **Languages:** TypeScript, JavaScript (ES6+), HTML, CSS, SQL, Java, Python, C++.
- **Frameworks & Libraries:** Next.js, React, Tailwind CSS, Node.js, Laravel, Prisma.
- **Tools & Platforms:** Git, GitHub, PostgreSQL, MySQL, Sanity CMS, REST APIs, Postman, Vercel.
- **Security & Network:** Cisco Packet Tracer, Snort IDS, Wireshark, Tcpdump, Nmap, Hydra.

Spoken Languages: Bahasa Indonesia (Native), English (Intermediate)