

Muhammad Zahran Muntazar

zahranmuntazar17@gmail.com | [linkedin.com/in/muhammadzahranmuntazar/](https://www.linkedin.com/in/muhammadzahranmuntazar/) | muhammadzahran.dev

+62 851-7433-8747 | Bandung, Indonesia

Computer Science student at Universitas Padjadjaran focused on Full-Stack Web Development. Experienced in building end-to-end web applications using Next.js, TypeScript, and CMS/API integrations. Passionate about clean code, scalable systems, and impactful user experiences.

EDUCATION

Bachelor of Computer Science

Sumedang, Indonesia

Universitas Padjadjaran

Aug 2023 – Present

Cumulative GPA: 3.81/4.0

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Web Programming, Database Systems, Artificial Intelligence, Human-Computer Interaction, Software Engineering

EXPERIENCE

PT Mega Persada Utama

Bandung, Indonesia

Web Developer Intern

Feb 2026 – Present

- Developed a company profile website from scratch using Next.js, Tailwind CSS, TypeScript, and Sanity CMS.
- Built responsive company pages for services, certifications, projects, team profiles, and contact information to improve company credibility and online accessibility.
- Integrated a CMS-based content management flow, allowing company content to be updated without direct code changes.
- Handled deployment and iterative improvements based on company needs, feedback, and real operational requirements.

Coding Camp 2026 powered by DBS Foundation

Bandung, Indonesia

Full-Stack Web Developer Cohort

Feb 2026 – Present

- Selected as a Full-Stack Web Development cohort in an intensive program focused on building modern web applications.
- Built practical skills in frontend development, backend development, database integration, testing, and collaborative software engineering.
- Collaborated with cross-functional team members, including Data Scientists and AI Engineers, to develop an AI-integrated capstone web application.

Department of Computer Science FMIPA Unpad

Sumedang, Indonesia

Laboratory Teaching Assistant

Feb 2025 – Dec 2025

- Mentored 90+ students per semester in Database System I, Database System II, and Web Programming courses.
- Evaluated assignments and provided feedback on database modeling, query implementation, code structure, and project functionality.
- Supported students through consultation sessions for assignments, practical tasks, projects, and exam preparation.

LEADERSHIP & ORGANIZATION

Himatif FMIPA Unpad

Sumedang, Indonesia

Staff of Career Development Department

Feb 2024 – Dec 2024

- Connected Himatif members with career and internship opportunities to support their professional growth.
- Developed a career insight program to help students better understand industry expectations and career preparation.
- Organized a company visit program that allowed students to experience and learn directly from a professional work environment.

Informatics Festival 2024

Sumedang, Indonesia

Vice Project Officer of Technopreneur

Feb 2024 – Oct 2024

- Attracted 150+ seminar participants and engaged 15 business teams in workshops and business plan competitions.

- Established partnerships with 7+ organizations, including startups, incubators, and technology companies such as Dicoding, Mekari, GITS.ID, and Kolaborasi.
- Coordinated with 3 keynote speakers, 4 workshop mentors, and 3 competition judges consisting of researchers, industry leaders, executives, and business practitioners.
- Conducted a participant satisfaction survey and achieved an overall satisfaction score of 9.1/10.

PROJECTS

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

- Led the development of a digital nutrition application that helps users create biometric nutrition profiles and receive personalized nutrition insights.
- Coordinated project workflow across frontend, backend, and machine learning teams to align features, timeline, and deliverables.
- Implemented key features including BMR/TDEE calculation, daily calorie target estimation, 7-day meal plan generation, and allergy-based food filtering.
Skills: Project Management, Next.js, TypeScript, Prisma, RESTful API Integration, FastAPI, Python, Machine Learning Integration.

NutriScale: Nutrition Management & Marketplace **Feb 2026 – Jun 2026**

- Developed a web-based nutrition platform that helps users understand their personal nutrition needs through health assessment, dashboard, and AI-based recommendations.
- Built user flows for multiple health profiles, including general users, children under five, pregnant women, and post-surgery patients.
- Implemented a healthy food marketplace flow covering product search, category filtering, cart, checkout, payment, and order history.
Skills: Next.js, TypeScript, Prisma, PostgreSQL, RESTful APIs, Midtrans Payment Integration, E-Commerce Flow.

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

- Developed a semantic web application for exploring Indonesian geographic entities using knowledge graph data.
- Built interactive search, map visualization, entity detail pages, RDF preview, graph visualization, and SPARQL explorer features.
- Integrated the interface with SPARQL-based data access to support semantic search and spatial relationship exploration.
Skills: Next.js, TypeScript, SPARQL, React Leaflet, Semantic Web

ChemLab VR: Virtual Reality Chemistry Laboratory Simulation **Feb 2026 – Jun 2026**

- Engineered an immersive Virtual Reality (VR) chemistry laboratory designed to facilitate safe, interactive educational experiments and safety simulations.
- Implemented complex spatial computing interactions and physics-based logic utilizing Unity, C#, and the XR Interaction Toolkit.
- Managed the end-to-end spatial design pipeline, including authoring the Game Design Document (GDD), illustrating storyboards, and integrating 3D assets to create a cohesive virtual environment.
Skills: Spatial Computing, Virtual Reality (VR), Unity, C#, XR Interaction Toolkit, Game Design.

ADDITIONAL

Technical Skills:

- **Languages:** TypeScript, JavaScript (ES6+), Python, C++, SQL, HTML/CSS
- **Frameworks & Libraries:** React, Next.js, Tailwind CSS, Prisma, Laravel
- **Tools & Platforms:** Git, GitHub, Figma, Sanity CMS, RESTful APIs, Unity, XR Interaction Toolkit

Soft Skills: Project Management, Teamwork, Communication, Problem Solving, Time Management, Adaptability, Leadership

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