



ALVI ZUMAELA IZDIANA

BACHELOR OF INFORMATION TECHNOLOGY

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SLEMAN, YOGYAKARTA

OVERVIEW

Detail-oriented web developer with a strong foundation in building systems with **CodeIgniter**. I specialize in bridging backend logic with frontend usability, ensuring that every feature is not only technically sound but also user-centered. My experience includes **RDBMS design**, REST APIs, and secure deployment practices, supported by a deep understanding of **data architecture and system workflows**. With additional skills in **SQL and Python** for data **processing and visualization**, I bring a holistic approach to web development—where performance, clarity, and strategic implementation go hand in hand.

I am a **fast learner, highly adaptable**, and **committed to continuous improvement**, always **eager to explore new opportunities** that leverage my analytical and development skills within the broader tech landscape.

EDUCATION

2021 – 2025

Bachelor of Information Technology
Universitas 'Aisyiyah Yogyakarta
GPA 3.80

WORK EXPERIENCE

Aug 2023 – Dec 2023

IT Instructor (Internship)

Dinas Komunikasi dan Informatika Kota Surabaya

- Instruct on utilization of diverse Office productivity Software, including MS Office, WPS, and Google Workspace Tools.
- Instruct on processing numerical data using spreadsheet software such as MS Excel, Google Sheets, and WPS Excel.
- Monitored BLC operations while ensuring accuracy of visitor data entry.
- Developed web-based system for pretest and posttest using CodeIgniter 3 Framework and MySQL database for final project.

Tools: Office productivity software, Codeigniter 3, MySQL

ADDITIONAL EXPERIENCE

Chairman of the Capture the Flag 2023 Competition

March 2024

Held By PSTI Unisa Yogyakarta

- Developed timeline and work schedule for competition committee in conjunction with Event Division.

- Establish budget and fund allocation strategies with the entire committee.
- Oversee event preparation, guaranteeing all elements align with established plans.
- Facilitate communication between committees and relevant parties to ensure seamless event execution.
- Perform evaluation post-event to identify successes and challenges requiring attention.

Skills: Leadership, time management, problem solving, project planning and coordination, teamwork

Co. Publication, Decoration, and Documentation Division

June 2023

Held By PSTI Unisa Yogyakarta (for 6th Anniversary)

- Responsible for creating informative content for the 6th Anniversary Event.
- Build communication among team members in executing respective duties, ensuring they work according to their job descriptions.
- Developed promotional content, documentation, and materials for post-event dissemination.

Skills: Leadership, project planning and coordination, teamwork

Media and Information Division Coordinator

March 2023

LPTQ Unisa Yogyakarta

- Tasked with developing educational content for LPTQ social media.
- Facilitate collaboration among Media and Information Division members in executing respective duties, ensuring they work according to their job descriptions.
- Oversaw preparation of promotional content, documenting, and distributing event documentation organized by LPTQ.

Skills: Attention to detail, creativity, teamwork

PROJECT

- **Web / Software Development:** developed a web-based expert system for early detection of Students' mental health disorder with CodeIgniter 4 and MySQL database using forward chaining method for BLP (Biro Layanan Psikologi) UNISA Yogyakarta, the results of the test with experts resulted in a accuracy score of 100%.
- **Web / Software Development:** developed a web-based expert system for early diagnosis of depressive disorders using the Forward Chaining algorithm, featuring an interactive dashboard to display user data and leveraging AJAX for dynamic, real-time updates without page reloads.
- **Web / Software Development:** developed an Android-based system with Kotlin programming language for calculating BMR (Basal Metabolic Rate) based on height, weight, age, and gender.
- **Data Analyst & Visualization:** creating web-based interactive data visualization with Dash(Plotly) to analyze employee data and find patterns related to factors that influence employee performance, satisfaction, and resignation decisions. processing data with Python (Pandas) and visualizing with matplotlib and Seaborn, then analyzing the results displayed in the Confusion Matrix.
- **Data Analyst & Visualization:** processing and analyzing public dataset related to HIV/AIDS data with Python (Pandas) and visualizing with matplotlib and Seaborn, then analyzing the results displayed in the Confusion Matrix.
- **Lecturer research:** contributed to the preparation of the dataset for MP-ASI menu recommendation system that adopts Computer Vision technology with YOLOv5.
- **Journal Proceeding:** *"Implementasi Case-Based Reasoning untuk Diagnosis Gangguan Tumbuh Kembang Anak dengan Metode Block City"*.

ADDITIONAL INFORMATION

- **LANGUAGE:** Indonesia (native), Jawa krama (native), English (functional).
- **TECHNICAL SKILL**
 - Web/Software development:** PHP Framework (CodeIgniter, Laravel), AJAX, JavaScript, Tailwind CSS, UI/UX Design (Figma), Kotlin, Draw.io (for documentation), UML Diagram (Activity, Flowchart, Use-Case)
 - Data analysis and visualization:** Python (Pandas, NumPy, Matplotlib, Seaborn, Dash (Plotly)), Tableau, MySQL, SQLite, PhpMyAdmin, Excel, Google Sheets
- **SOFT SKILL**
 - Analytical and critical thinking
 - Attention to detail
 - Creativity
 - Discipline
 - Fast learner
 - Like to learn something new
 - Teamwork
 - Problem solving
 - Project planning and coordination
 - Time management

COURSE & CERTIFICATION

- **Information Technology Service Management – BNSP**
- **R for Data Professional – Part I at DQLab**
- **Data Visualization in Data Science using R at DQLab**
- **Data Preparation in Data Science using R at DQLab**
- **Data Science in Retail: Market Basket Analysis at DQLab**
- **Analisis Data COVID19 di Indonesia at DQLab**
- **Project: Eksplorasi Data Ritel Menggunakan R at DQLab**
- **Python for Data Science, AI and Development at Coursera**
- **System Administration and IT Infrastructure Services at Coursera**