



RAFFI ADZRIL ALFAIZ

+62 877 8886 2112 | raffiadzril0612@gmail.com | <https://www.linkedin.com/in/raffiadzril/> | <https://github.com/raffiadzril>

Gang Geger Arum No. 52, RT 03/RW 06, Isola Sub-district, Sukasari District, Bandung City, Indonesia

Passionate about Data, Artificial Intelligence, and Backend Development, with hands-on experience in data analytics, machine learning, computer vision, ETL development, and backend system design. Strong problem-solving skills with a focus on building practical, data-driven, and scalable technology solutions.

Work Experiences

DSTIPD UPI - Bandung, Indonesia <i>Internship Data Engineer</i> Directorate of Information Systems and Technology (DSTI), Universitas Pendidikan Indonesia (UPI) is a university unit responsible for managing and developing information systems, information technology infrastructure, and digital services to support academic and administrative activities at UPI	Feb 2026 - Jul 2026
- Performed data extraction, transformation, validation, and loading (ETL) to prepare data for centralized storage and analytics. - Cleaned and standardized datasets by handling inconsistent data formats, data types, missing values, duplicate records, and invalid values. - Designed and implemented data integration workflows to combine data from different sources into structured datasets. - Applied data transformation techniques including value mapping, conditional transformations, field type conversion, filtering, and data joining using Apache Hop. - Analyzed source data structures and relationships to determine appropriate transformation and integration requirements. - Implemented data validation and quality checks to ensure consistency and accuracy throughout the ETL process. - Performed troubleshooting, testing, and refinement of ETL pipelines to resolve data conversion errors and transformation issues. - Prepared integrated datasets as a foundation for data warehouse development and university data analytics. - Documented the ETL development process, data transformation workflows, testing results, and system improvements.	
PT ABHIRAJA GIOVANNI TRYAMANDA - Bandung, Indonesia <i>Internship Backend Developer</i> PT Abhiraja Giovanni Tryamanda is a service-based company providing intermediary services for UMKM distribution, with a focus on supporting business growth and improving the economic performance of UMKM.	Feb 2025 - Jun 2025
- Developed and maintained backend features using Laravel to support UMKM service platforms - Built and integrated RESTful APIs with Laravel for application functionality - Managed database operations using MySQL and Laravel Eloquent ORM - Performed debugging, testing, and system improvements to ensure application stability	
Universitas Pendidikan Indonesia (UPI) - Computer Science Department, UPI, Bandung, Indonesia <i>Teaching Assistant — Database Management Systems</i>	Feb 2024 - Jul 2024

Education Level

Universitas Pendidikan Indonesia - Bandung, Indonesia <i>Bachelor of Computer Science, 3.93/4.00</i>	Sep 2023 - Aug 2027 (Expected)
--	--------------------------------

Organisational Experience

Dinamik 20 - Bandung, Indonesia <i>Vice Project Officer</i> DINAMIK 20 is a Computer Science department anniversary event consisting of multiple programs, including competitions, seminars, and a technology festival, aimed at enhancing student engagement and academic collaboration.	Sep 2025 - Dec 2025
- Assisted Project Officer in planning and executing multi-program department anniversary events - Coordinated multiple committees across competitions, seminars, and festival activities - Monitored event progress and ensured activities ran according to schedule	
Dadakan Cup 2025 <i>Head of Design</i> Dadakan Cup is a school alumni futsal tournament organized as a reunion event to strengthen alumni engagement through sports activities.	Dec 2024 - Mar 2025
- Led and coordinated visual design for event branding and promotional materials - Created digital and on-site visual assets for futsal tournament activities	

- Ensured consistent visual identity across all event media

Skills, Achievements & Other Experience

- **Achievements** 🏆 (2025): Achieved 3rd place in LIDM (Lomba Inovasi Digital Mahasiswa) organized by Belmawa in the Digital Education Technology Innovation category.
- **Achievements** 🏆 (2025): Achieved 1st place in PKM AMLI KI (Karya Inovatif), a student creativity program organized by AMLI.
- **Projects** 🏆 (2025): Developed and implemented an end-to-end ETL pipeline for Indonesia Stock Exchange (IDX) financial reports, focusing on automated data extraction, distributed data transformation, workflow orchestration with Apache Airflow, containerized services using Docker Compose, and high-performance data delivery through a FastAPI-based REST API backed by MongoDB.
- **Projects** (2024): Developed and implemented a full-stack car rental website using Laravel, handling both backend and frontend development, including database design, business logic implementation, user authentication, and responsive user interface integration.
- **Projects** 🏆 (2025): Developed a mobile recipe application “Resepin” using Flutter for frontend and FastAPI for backend, implementing full-stack features including REST API integration, data management, and responsive UI to assist users in browsing, searching, and managing cooking recipes.
- **Projects** (2026): Futsal Athlete Management Web Application. Developed a web-based futsal athlete management system integrated with a Retrieval-Augmented Generation (RAG) pipeline for personalized athlete recommendations. The system retrieves relevant information from athlete performance data and a domain-specific knowledge base to generate context-aware recommendations for training and performance improvement.
- **Projects** (2026): Developing a computer vision model to classify infant pain levels based on facial expressions. The project applies deep learning and image classification techniques to support automated, non-invasive pain assessment and is being prepared for publication in a research paper.
- **Hard Skills:** - Programming Languages: Python - Backend Development: Laravel, FAST API - Database: MySQL, MongoDB - AI & Data: Machine Learning, Deep Learning, Computer Vision, Data Mining - Libraries & Frameworks: TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy - Tools: Git, GitHub