RIZAL MUHAIMIN NUR

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SUMMARY

Fullstack Web Developer focused on building and deploying production web applications with React and Python (FastAPI / Flask), with additional experience in Laravel. Experienced in developing backend endpoints for authentication and data management, designing relational database schemas, and integrating responsive frontends using React, Vue.js, and Tailwind CSS. Brings a strong plus in AI and computer vision integration (IndoBERT, YOLO-Face, ArcFace) into web platforms, including multimodal analysis and interactive data-visualization dashboards. Familiar with session-based authentication, input validation, GIS integration, and QR-based document verification for real-time usage.

TECHNICAL SKILLS

- **Frontend:** React, JavaScript, Vue.js, Tailwind CSS, Blade
- **Backend:** Python (FastAPI, Flask), PHP (Laravel), RESTful Endpoint Implementation, Authentication & Session Handling
- **Database:** MySQL, PostgreSQL, Relational Database Design, SQL Querying
- **AI / ML Integration:** IndoBERT, YOLO-Face, YOLO-Pose, ArcFace, Deep Learning Model Integration
- **Concepts:** Eloquent ORM, Database Migration, Session-Based Authentication, Form Validation, GIS Integration
- **Tools:** Git, Docker, Postman, Figma, Sweager

WORK EXPERIENCE

CritLit | Adaptive AI Education Platform | Kuningan, Jawa Barat
Fullstack & AI Developer

- Built an adaptive AI platform to measure and improve Critical Digital Literacy among teachers in Indonesia.
- Integrated an IndoBERT-based classification model to automatically detect 6 types of cognitive bias and framing with high accuracy.
- Developed an adaptive testing system that adjusts assessment difficulty based on user responses.
- **Tech Stack:** React.js, FastAPI (Python), IndoBERT Model, PostgreSQL.
- **Live Deployment:** cdl-ai.id

Desa Jagara | Desa Cantik BPS Statistics Portal | Kuningan, Jawa Barat
Fullstack Web Developer

- Developed the official statistics portal and village profile for Desa Jagara under the Desa Cantik (Cinta Statistik) program by the Central Bureau of Statistics (BPS) Kuningan, West Java.
- Digitized population, education, and health data and published it transparently for easy public access by residents.
- Integrated GIS and map features for spatial presentation of village data.
- **Tech Stack:** Laravel, Bootstrap, MySQL, GIS & Maps Integration.
- **Live Deployment:** jagara.jastik.site

KUNCI BERSAMA | Corporate Portal & GIS Map | Kuningan, Jawa Barat
Fullstack Web Developer

- Built the official platform for the joint secretariat of a cooperation forum spanning 10 border regions across West Java and Central Java (Kuningan, Cirebon, Brebes, Cilacap, Ciamis, Majalengka, Indramayu, Banjar, Pangandaran).
- Developed an interactive regional map and a directory of local potential covering food, tourism, and small businesses.
- Implemented dynamic document management for the secretariat.
- **Tech Stack:** Laravel, Tailwind CSS, Interactive SVG Map, MySQL.
- **Live Deployment:** kuncibersama.or.id

Universitas Kuningan | Multimodal AI Analysis System (R&D Deep Learning) | Kuningan, Jawa Barat
Research Assistant (AI System Development) | Jul 2025 - Okt 2025

- Assisted in integrating multiple computer vision-based AI models into a web-based research platform.
- Built a multimodal AI analysis system combining face recognition, body pose classification, and real-time emotion detection.
- Developed backend components using Flask and frontend interfaces using React for behavioral analysis experiments.
- Integrated pre-trained models into a Flask API pipeline for experimental data processing.

- Built interactive data visualization for an analytics dashboard presenting the multimodal analysis results.
- **Tech Stack:** React, Flask, Deep Learning (ArcFace), YOLO-Face.
- **Live Deployment:** microteaching.id

Metcha | Web-Based Social Interaction Platform | Kuningan, Jawa Barat
Fullstack Web Developer | Des 2025 - Jan 2026

- Developed and deployed a web-based application using Laravel and React for user interaction features.
- Implemented user authentication and database-driven data management features.
- Implemented bcrypt password hashing and Form Request validation for secure user authentication and input validation.
- Integrated Laravel backend with React frontend using Inertia.js to ensure responsive navigation flow.
- Currently supports 92 registered users with an average login response time of approximately 413ms under normal usage.
- **Tech Stack:** Laravel, React, PostgreSQL, Tailwind CSS, Inertia.js
- **Live Deployment:** metcha.space

Universitas Kuningan | Kuningan, Jawa Barat
Laboratory Assistant (Part-Time) | Sep 2023 - Des 2024

- Performed routine maintenance of laboratory computer hardware and software.
- Assisted in supervising lab sessions and supporting academic practical activities.

SELECTED PROJECTS

Absenku | Employee Attendance System (Desktop-Based) | Kuningan, Jawa Barat
Software Engineer | Jan 2025 - Jun 2025

- Developed a desktop-based attendance application using Python and Tkinter with real-time face detection capability.
- Integrated YOLO-Face and ArcFace models for identity verification.
- **Tech Stack:** Python, YOLO-Face, ArcFace, Tkinter.

MyEong IoT Smart Feeder | Kuningan, Jawa Barat
Software Engineer | Jan 2025 - Jun 2025

- Designed an IoT-based automatic pet feeder device integrated with an Android application.
- Applied iterative prototyping and Design Thinking methodology during the development process.
- **Tech Stack:** Firebase, Kotlin, XML
- **Achievement:** Best Final Project (Grand Winner) SIB 2024.

EDUCATION

Universitas Kuningan
Bachelor of Computer Science – Informatics Engineering
Sep 2021 – May 2025
GPA: 3.74 / 4.00 (Cum Laude)

CERTIFICATIONS

- IoT Engineer, Indobot Academy (Band Score: 88.75) Jun 2024
- Android Developer, Binar Academy (Hard Skill Score: 4.9/5.0) Jan 2024
- Internet of Things BIZ, CertNexus Nov 2024
- Databases, Information Technology Specialist Certification Aug 2024
- Junior Web Developer, VSGA (BNSP Certification) Aug 2023
- Junior Network Administrator, VSGA (BNSP Certification) Mar 2023