

MUHAMMAD AKBAR KASYFURRAHMAN

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PROFESSIONAL SUMMARY

Bachelor of Informatics Engineering graduate with hands-on backend, full-stack, and AI/Machine Learning development experience across academic, freelance, and independent projects — including REST API development, Retrieval Augmented Generation (RAG) systems, and Computer Vision (CNN) models deployed to cloud environments (GCP, Docker). Complemented by a foundational background in IT infrastructure, networking, and Windows Server support. Proven leadership training a 20-member student team, strong problem-solving skills, and open to placement across Java, Sumatra, and Kalimantan.

EDUCATION

Bachelor of Informatics Engineering

Universitas Perjuangan Tasikmalaya | GPA: 3.78

Sep 2021 - Aug 2025

Computer Network Engineering (Teknik Komputer & Jaringan)

SMK Negeri 4 Tasikmalaya

Jul 2017 - May 2020

TECHNICAL SKILLS

- Programming & Development: Node.js, Python, PHP (Laravel), React.js, FastAPI, REST API Development
- AI & Machine Learning: Retrieval Augmented Generation (RAG), Convolutional Neural Networks (CNN), LLM Integration, Model Deployment (Docker, Google Cloud Platform)
- Database: PostgreSQL, SQL, Prisma ORM, Database Maintenance, Basic System Security
- IT Infrastructure & Support: Windows Server, Basic Cisco Configuration, LAN/WAN Fundamentals, OS & Hardware Troubleshooting
- Productivity & Project Management: Microsoft Office Suite, Google Workspace, Trello, Notion
- Soft Skills: Leadership, Problem Solving, Interpersonal Communication
- Languages: Indonesian (Native Proficiency), English (Active Proficiency)

SELECTED PROJECTS

Retrieval Augmented Generation (RAG) API for Student Admission System

Mar 2025 - Jul 2025

- Built and deployed a production-facing AI-powered information retrieval API using FastAPI for the new student admission service at Universitas Perjuangan Tasikmalaya.

Backend for Wedding Invitation SaaS Platform

Jun 2025

- Developed a subscription-based backend system with multiple invitation templates using Node.js, PostgreSQL, and Prisma ORM.

CNN Model for Bangkit Academy (Hiking Safety Equipment Detection)

Aug 2023 - Jan 2024

- Developed a CNN-powered computer vision tool to identify essential hiking equipment in photographs and improve safety preparedness; deployed to Google Cloud Platform using FastAPI and Docker.

CNN Model for Sundanese Script (Aksara Sunda) Recognition

Feb 2024 - Mar 2024

- Built a script recognition model to help students verify their Sundanese script writing/reading; deployed to Google Cloud Platform using FastAPI and Docker.

WORK EXPERIENCE

Freelance Web Developer, PT. Sejahtera Tri Mulya Indonesia

Jun 2025

- Developed a company profile website for an Internet Service Provider (ISP) using Laravel 12 and Tailwind CSS, including basic system security practices.

Freelance Web Developer, PT. Tajir Bersama Group

Aug 2024

- Developed, maintained, and managed content for a production company website using the WordPress CMS.

Freelance — IT Support & Technician, Nakama Creative Lab

May 2026

- Installed and configured Network Attached Storage (NAS) solutions, managing RAID configurations, user access control, and automated backup schedules.

Intern — IT Support & Technician, PG Computer

Aug 2019 - Dec 2019

- Diagnosed, repaired, and maintained customer hardware, including PCs and laptops.

LEADERSHIP & ORGANIZATIONAL EXPERIENCE

Head of Student Department, Robotics Student Activity Unit

Jan 2022 - Dec 2022

Universitas Perjuangan Tasikmalaya

- Led and trained 20 students in robotics fundamentals, including basic microcontroller (Arduino) and IoT concepts, in both offline and online learning environments.
- Prepared technical materials and coordinated forums to ensure smooth and effective teaching and learning processes.