

MUHAMMAD DZAKI ABRAR

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EDUCATION	PRESIDENT UNIVERSITY , Candidate for <i>Sarjana Komputer (S.Kom.)</i> . GPA 3.83 / 4.00, Sep 2024 - Present Honors: Jababeka Scholarship Activities: President University Major Association of Informatics	Aug 2024 - Aug 2027 Oct 2025
WORK EXPERIENCE	CodSoft , Remote Machine Learning Intern , Machine Learning Engaging in a virtual Machine Learning focused on project development and implementation, gaining hands-on expertise through industry-standard tasks to build foundational technical skills in the ML domain. PT Bank Mandiri Tbk x Rakamin Academy , Cikarang, Bekasi Project-Based Intern — Mobile Application Developer , Mobile Application Development Developed a scalable mobile application in a simulated banking environment, handling end-to-end tasks from UI/UX design to functional integration while adhering to fintech industry standards. Diskominfosantik , Cikarang Pusat, Bekasi Software Developer Internship , Programmer Developed a Digital Selection & Training Management System for Disnaker using React (Vite), Tailwind CSS, and Express.js. Engineered app routing, backend structures for job management, and admin dashboards with SVG data visualizations. Transformed static prototypes into a functional, scalable full-stack application for public services.	May 2026 - Present. May 2026 - Present. Nov 2025 - Mar 2026
PROJECTS	NLP Hybrid Chatbot Summarization RAG , AI Developer, UI/UX Developed an intelligent chatbot system integrating Retrieval-Augmented Generation (RAG) with automatic text summarization for efficient PDF document processing. Real-time Trash Detection , Deep Learning Engineer Engineered a real-time waste classification system using YOLOv11 to support automated waste management initiatives. Design Anything , Full Stack Developer Built a full-stack image editing platform integrating AI-based features for enhanced user creativity. Utilized a Microservices Architecture to ensure system stability AI Roadmap Adaptive E-Learning , UI/UX, Backend Developer Designed an AI-driven educational platform providing personalized learning paths tailored to individual user needs. AI-Powered Smart Factory: Autonomous Shape Sorting , AI & IoT Developer Engineered an autonomous industrial sorting system using YOLOv8 for real-time object classification. Integrated ESP32 microcontrollers with a React.js dashboard via Serial (UART) and WebSockets	Jan 2026 - Feb 2026 Oct 2025 - Oct 2025 Dec 2025 - Dec 2025 Nov 2025 - Nov 2025 Feb 2026 - Apr 2026
SKILLS & CERTIFICATES	Skills: Software Development, Telecommunication and Networking. Certificates: Logic Test Samsung Innovation Campus Batch 6, (Hacktiv8 Indonesia), UKBI, (Kemendikbudristek) Score: Sangat Unggul (683), Belajar Fundamental Deep Learning, (Dicoding Academy), Retrieval-Augmented Generation for Enhanced AI Outputs, (IBM), Generative AI Essentials: Using LLMs to Work with Data, (IBM), Data Fundamentals, (IBM), Artificial Intelligence Fundamentals, (IBM), Belajar Dasar AI, (Dicoding Indonesia), Prompt Engineering untuk Software Developer, (Dicoding Indonesia), Penerapan Data Science dengan Microsoft Fabric, (Dicoding Indonesia), Membangun Aplikasi Gen AI dengan Microsoft Azure, (Dicoding Indonesia), Memulai Pemrograman dengan Python, (Dicoding Indonesia), Belajar Machine Learning Pemula, (Dicoding Indonesia).	
LANGUAGE PROFICIENCIES	English (Fluent); Indonesia (Native)	
PERSONAL	Informatics student at President University with a concentration in Artificial Intelligence (GPA 3.83/4.00). Experienced Software Developer Intern with a track record of building end-to-end AI, web, and mobile applications. Proficient in Python, JavaScript, Java, C++, PHP, and SQL, with technical expertise in Next.js, React, Tailwind CSS, Flutter, and Laravel. Technical project experience includes developing NLP systems, as well as Computer Vision models. Also serves as Vice Head of HRD at PUMA Informatics, managing organizational and technical projects through Project Management, Figma, Git/GitHub, and Microservices architecture.	