ADELIA ZHAFIRA PUSPASARI

(+62) 8568106417 | adeliazhafiraa@gmail.com | linkedin.com/in/adeliazhafira/ | adeliazhafira.site
Cikarang, Bekasi, Indonesia

Passionate 7th-semester Informatics student from President University specializing in AI (Machine Learning, Computer Vision, NLP). I combine my AI expertise with strong full-stack development skills (Flutter, Dart, React, Laravel), and I'm eager to contribute to innovative projects.

Education

President University - **Jababeka, Cikarang, Indonesia**   Aug 2023 - Jul 2026 (Expected)
Bachelor of Undergraduate Informatics, 3.91/4.00
- Jababeka Scholarship 75% Awardee
- Core Coursework: Data Structures & Algorithms, Web & Server Side Programming, Wireless & Mobile Programming, Image Processing & Recognition, NLP, Computer Vision, Deep Learning, Software Engineering, Database Systems.

Experience

Fullstack Developer Intern - **Jatinegara, Jakarta Timur**   Aug 2025 - Present
PT Citi Asia Internasional
- Entrusted with full end-to-end development of an AI Chatbot, defining its strategy and technical vision with a strong commitment to excellence.
- Engineered self-hosted AIFA platform, saving $39K-$157K annually by utilizing Ollama and ChromaDB over commercial API subscriptions.
- Developed full-stack app (React/Flask) with JWT, RAG, and 12 file formats, achieving 80% faster document processing and retrieval.

PUFA Computer Science (BEM Faculty) - **President University**   Aug 2024 – Sept 2025
Head of Division of Internal Relations
- Led strategic internal relationships, acting as the primary liaison connecting over 1000 students, lecturers, alumni, and affiliated organizations.
- Achieved a 20% increase in inter-organizational collaboration within the Computer Science Faculty.

PUFA Computer Science (BEM Faculty) - **President University**   Aug 2023 - Aug 2024
Member of Research and Technology
- Served as PIC for "Cominfo" work plan, curating and producing more than 8 articles/reports on technology trends.
- Provided critical support for PUFA Computing website development, significantly enhancing digital presence and accessibility.

COMPSPHERE 2024 - **President University**   Jan 2024 - Nov 2024
Vice Project Manager 1
- Oversaw 117 committee across 13 diverse divisions for COMPSPHERE 2024, a technology-focused event attended by over 1000 participants.
- Directed seamless operations planning and execution, significantly enhancing event management and strategic problem-solving skills.

Projects

- **AIFA (AI For All Chatbot) – PT Citi Asia Internasional** (2025): Developed a secure, full-stack enterprise knowledge chatbot, utilizing React.js (frontend) and Python/Flask with JWT security & MySQL (backend). Engineered a high-performance, offline RAG pipeline integrating open-source LLMs via Ollama and ChromaDB for efficient document retrieval.

- **Deep Learning for Automated Packaging Verification – PT Mattel Indonesia** ✓ (2025): Implemented a 4-stage deep learning pipeline for automated product packaging, using YOLO for symbol detection and Hi-SAM with Parseq for hierarchical text recognition. Utilized Llama 4 Maverick and Scout for AI-powered refinement, achieving top performance for text detection.

- **TappyTale - Children's Education & Storybook Creation Platform** ✓ (2025): Developed an AI-powered educational platform (mobile app in Flutter/Dart, web app in Laravel) for storybook, integrating REST APIs and Llama 4 Maverick for content refinement and verification. Recognized as "Harapan 1 Android Programming" at IOFEST 2025 and "Best Informatics Project" at COMPSCIGALA 2025.

- **Space Pal - Interactive Children's Space Learning Software** ✓ (2024): Created an interactive mobile application using Flutter/Dart to educate children about space, implementing 3D models and Firebase for data management. Awarded "Best Project of the Semester" by Computer Science lecturers at FINPROTION 2025.

Achievements & Skills

- **Competition** ✓**:** Harapan 1 (4th Winner) - Android Programming Competition (IO/FEST 2025), FINPROTION (2025) Wireless and Mobile Programming, FINPROTION (2025) Artificial Intelligence, Website Development Competition Participant (IO/FEST 2024), UI/UX Design Competition participant (CITE UP 2024).

- **Hardskill:** Python, PHP (Laravel), HTML, CSS, Java, JavaScript, React, SQL, Postman, Flask, Machine Learning, Deep Learning, Computer Vision, NLP, Flutter/Dart, Firebase, Bootstrap, GitHub, YOLO, Figma, Docker

- **Softskill:** Project Management, Leadership, Teamwork, Public Speaking, Problem Solving, Time Management, Adaptability, Creativity