

Intan Kumala Pasya

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I'm an undergraduate student with a major in Informatics and focusing on Artificial Intelligence (AI). As a student with a focus on Artificial Intelligence, I'm driven by curiosity and a desire to create meaningful solutions. I'm currently developing my skills through academic projects, research experience, and self learning. Always open to new opportunities that can help me grow and contribute to technology.

SKILLS

- **Programming Languages:** Java (OOP, Android Studio), Python, PHP, JavaScript (React.JS + Vite),
- **Artificial Intelligence:** Machine Learning (scikit-learn, regression, classification, clustering), Deep Learning (Tensorflow, Keras, PyTorch, CNN, RNN, LSTM, Transformer), Computer Vision (OpenCV, YOLO, Tensorflow, Keras, Pillow), Natural Language Processing (NLTK, spaCY, Hugging Face), Data Preprocessing and Visualization (Pandas, NumPy, Matplotlib, Seaborn), Model Evaluation (scikit-learn, Tensorflow, Keras, PyTorch)
- **Web Development:** HTML/CSS, Tailwind css, Vite ReactJS, Bootstrap, Laravel
- **Database:** MySQL, Firebase, MongoDB
- **Tools & Platforms:** Blender, Google Colab, Microsoft Office (Intermediate), Git & Github, Postman, Notion, Web Harvy
- **Other:** Communication, Leadership, Problem Solving, Time Management, Teamwork

EDUCATION

S.Kom, Informatics, President University

2023 - Present

- Current GPA: 3.92/4.00 (87 credits)
- Scored 100 on Duolingo English Test

UNIVERSITY PROJECTS

Pookies - Chatbot Mobile Application (2024):

- Collaborate to built a mobile Chatbot app using Java with GPS and Bluetooth integration.
- Used SQLite for local storage and Firebase for database.
- Developed for an academic project to demonstrate real-time interaction and connectivity

WellBelle - Medical Chatbot (2024):

- Built a medical chatbot in Python using Naive Bayes to predict diseases from symptoms.
- Applied text preprocessing and probabilistic classification for accurate analysis.
- Created for an academic project on machine learning in healthcare.

RIYA'S - Speech to Text Summarization (2025):

- Collaborate and built a multilingual speech-to-text summarization system using mT5 and mBART models.
- Integrated with a Flask web interface for real-time transcription and summarization.
- Developed as part of an academic NLP project supporting multiple languages.

Tomato Ripeness - Computer Vision (2025):

- Developed an AI-based tomato ripeness detection system using YOLOv8m and YOLOv5m object detection models.
- Trained models on the TomatOD dataset to classify tomatoes as unripe, semi-ripe, and fully ripe with high mAP accuracy.
- Utilized Computer Vision, deep learning, and tools like Python, YOLO, and labeling frameworks for agricultural automation.

Fire Detection - Autonomous Robotic Car (2025):

- Built an autonomous fire-fighting robotic car using Arduino Uno and fire sensors.
- Programmed real-time fire detection and automated response logic.
- Created for an academic robotics project focused on fire safety.

RIYA'S - Medical Chatbot and Question Answering (2025):

- Developed a medical chatbot using fine-tuned LLaMA 3.2 (3B) with LoRA
- Integrated with Flutter front-end and Flask backend for real-time question and answer
- Built to showcase efficient LLM deployment in mobile healthcare apps.

Merchandise Center (2025):

- Collaborate to build and developed a web app with AI-based summarization and sentiment analysis features.
- Collected 2,000 data samples using WebHarvy for dataset creation and model input.
- Used BART-LARGE-CNN, DistilBERT, and built the app with Vite React.js, Flask, and Firebase

ORGANIZATIONAL EXPERIENCES

President University Major Association - Vice HRD

Oct 2024 - Present

- Recruited and on boarded new members, streamlining the selection process to ensure candidates aligned with the organization's values and goals.
- Supervised and implemented HR development programs, enhancing team skills and improving overall performance through regular training and mentorship.
- Acted as a liaison between students and the academic department, effectively communicating student concerns, feedback, and initiatives to improve academic services and engagement.

Project Manager - Brainstormics 2024

November 2024

(President University Major Association)

- Led the planning and execution of events from concept to completion, ensuring timelines, logistics, and objectives were met successfully.
- Coordinated cross-functional teams and divisions, ensuring clear role delegation and effective collaboration throughout the event lifecycle.
- Ensured seamless event operations, resulting in attendee satisfaction and positive feedback.

Liaison Officer Staff - Temu Alumni 2025

February 2025

(President University Major Association)

- Acted as the primary liaison between the event committee and guest speakers, ensuring clear communication and smooth coordination.
- Established and maintained communication with high school partners to support event participation and logistics.
- Managed all speaker-related needs, including accommodations, technical requirements, and scheduling, to ensure a seamless experience for invited guests.

HONORS & AWARDS

Jababeka Scholarship, President University

July 2023 - Present

Ranked 2nd based on academic track

OTHERS

Language: Bahasa Indonesia (native), English (DET 100)

Certification:

- Generative AI for Information System (Thematic Academy) by Digital Talent Scholarship (July 2024)
- Artificial Intelligence (Talent Scouting Academy) by Digital Talent Scholarship (May 2025)
- Introduction to Data Science by Cisco (May 2025)
- Fundamental Data Science by Digital Talent Scholarship (July 2025)