



LUKAS AUSTIN

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Computer Science undergraduate at Universitas Padjadjaran, passionate about merging creativity with technology, with strong interests in Artificial Intelligence and Software Development.

Education Level

Universitas Padjadjaran - Jatinangor, Kabupaten Sumedang, Jawa Barat

Aug 2023 - Aug 2027 (Expected)

Bachelor of Computer Science, 3.96/4.00

Methodist-3 - Medan, Sumatera Utara

Jun 2020 - Jun 2023

High School Diploma in Natural Science, 92.96/100.00

Projects

Sentiment Analysis on Purbaya's IDR 200T Policy - AI Engineer

Python, Scikit-learn, Pandas, NumPy, TF-IDF, YouTube Data API, Gemini API.

- Developed an automated NLP pipeline using the YouTube Data API for large-scale public comment data collection.
- Applied the Gemini API with prompt engineering for silver-standard sentiment labeling on 1,700+ filtered comments.
- Achieved 81.85% accuracy using TF-IDF features and SVM to classify and quantify positive vs. negative public sentiment.

Student Admission Classification System - ML Engineer

Python, Scikit-learn, Streamlit, Pandas, NumPy, Plotly

- Developed a Decision Support System Web App for predicting postgraduate admission outcomes using supervised machine learning.
- Evaluated classification models including Logistic Regression, Random Forest, and XGBoost, achieving 0.91 accuracy.

EduTech - AI Engineer

Google Collab, Python, Streamlit, Gemini API, SentenceTransformers, Hugging Face

- Developed an AI-powered Computer Science learning application using Retrieval-Augmented Generation (RAG).
- Built an embedding system using All-MiniLM-L6-v2, fine-tuned on a custom dataset.
- Uses the Gemini API as the generative large language model (LLM) to generate responses based on the retrieved context.

Easy CF (Cash Flow) - Java Application Developer

NetBeans, Java, PHP

- Developed a cash flow management application using NetBeans and Java.
- Applied object-oriented programming (OOP) principles in Java to implement core application functionalities.

FREEW - UI/UX Designer and Front End Developer

Figma, HTML, CSS, JavaScript, PHP, Code Igniter 4, MySQL

- Developed a web application that connects freelancers with clients seeking professional services.
- Designed UI/UX using Figma to create an intuitive and visually appealing interface.

Experiences

piowsee.ai

Mar 2025 - Present

CMO, Developer

- A software house that builds AI-powered solutions to support people's professional development.
- Currently working on AI CV Builder Projects as a developer.

Assistant of Laboratory

Feb 2025 - Nov 2025

Member

- Completed role as Data Structure, Object-Oriented Programming (OOP) and Numerical Methods Lab Assistant.

Himatif FMIPA Unpad

Feb 2025 - Nov 2025

Head of Information Media

- Lead a team of 9 members and managed the official website, social media platforms, and digital magazine of Himatif FMIPA Unpad

Samsung Innovation Campus

Feb 2025 - May 2025

- Developed an IoT system integrating ESP32-based environmental sensors for real-time monitoring.
- Built a Flask-based API and Streamlit dashboard to support historical data tracking and visualization.
- Engineered an LLM-based plant condition analysis module for automated watering recommendations and real-time WhatsApp alerts.

Informatics Festival

Aug 2025 - Oct 2025

Staff of Creative and Documentation

- Designed visual content for social media and event promotion.

Character Building Season

Aug 2024 - Oct 2024

Head of Publication, Dokumentation, and Decoration.

- Coordinated a team and managed creative outputs such as decorations, publications, and merchandise mockups.

Skills, Achievements & Other Experience

- **Tech Stack:** Python, Tensorflow, Keras, Java, PHP, Hugging Face, Gemini API, Streamlit, Flask, Next.js, React, TypeScript, Tailwind CSS, PostgreSQL, Prisma, MySQL, HTML, CSS, JavaScript.
- **Tools:** Figma, Canva, Visual Studio Code, Unity, NetBeans.
- **Soft Skills:** Leadership, Problem Solving, Communication, Team Work, Adaptability, Time Management, Editing, Photography.
- **Languages:** Bahasa (Native), English (Intermediate), Mandarin (Beginner).
- **Memulai Pemrograman dengan Kotlin** 🏆 (2024): Dicoding Course
- **Belajar Dasar AI** 🏆 (2025): Dicoding Course
- **Generative AI Fundamentals for Careers compiled by Microsoft and LinkedIn** 🏆 (2025)
- **Belajar Membuat Aplikasi Android untuk Pemula** 🏆 (2025): Dicoding Course