ANGELICA SUTI WHIHARTO

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Informatics student at President University, concentrating in Artificial Intelligence. Passionate about AI, data science, and web development, with hands-on project experience. Strong in collaboration, communication, and organization. Eager to learn and apply knowledge to real-world challenges.

SKILLS AND TOOLS

- **Web & Software Development:** Next.js, React.js, Laravel, Node.js, Vite, Flask, FastAPI, PHP, HTML, CSS, Bootstrap, Tailwind CSS, ShadCN UI.
- **Databases & Developer Tools:** MySQL, PostgreSQL, MongoDB (incl. Atlas), Supabase, Firebase, Neon, Drizzle ORM, Git, GitHub, VS Code, Firebase Console, MongoDB Compass
- **Artificial Intelligence:**
  - **Machine Learning:** Supervised, Unsupervised, and Reinforcement Learning (Regression, Clustering, Decision Trees, Random Forests) using scikit-learn.
  - **Deep Learning:** TensorFlow, Keras, PyTorch for training CNNs (YOLOv8, Mask R-CNN) and Transformer models (BART, mT5, LLaMA) via Hugging Face, LangChain, OpenAI API, and Gemini.
  - **Natural Language Processing (NLP):** TF-IDF, Naive Bayes, Summarization, Sentiment Analysis, Semantic Search, Chatbots, Multilingual Speech-to-Text using spaCy, NLTK, and Unsloth.
- **Data and Automation:** NumPy, Pandas, Seaborn, Tableau, Streamlit, Selenium, BeautifulSoup, WebHarvy, Jupyter Notebook, Google Colab, Kaggle.
- **Other Tools & Platforms:** Google Workspace, Microsoft 365, Blender, Unity, Docker.

EDUCATION

S.Kom., Informatics, President University   2023 – Present
- Current GPA: 3.94/4.00 (*87 credits*).
- 75% Jababeka Scholarship for Undergraduate Students, President University.

High School Diploma, SMAN 4 BEKASI   2020 – 2023
- Mathematical and Science Concentration.

WORKING EXPERIENCES

Seasonal, Campus Ambassador of Danacita, **Danacita**   November 2023 – July 2024
- Led campaigns to increase awareness about DanaCita's online loan platform for students.
- Effectively communicated DanaCita's features and benefits to the student community.

Internship, DEMI Developers Batch 2, **President University**   October 2023 – April 2024
- Developed AI prompts for lecturers and website content.
- Built AI dashboard using d3js and Next.js.

Self-employment, Freelance Game Performance Tester, **Self-employed**   December 2024 – January 2025
- Conducted performance testing on 2 games across different graphics settings using personal laptop specifications.
- Identified and reported bugs, graphical inconsistencies, and performance drops.
- Compiled detailed reports on game stability and performance outcomes across test scenarios.

Part-time, English Language Instructor, **President University**   September 2024 – Present
- Teaching language classes to improve students' English skills.
- Providing feedback and tracking student progress.

ORGANIZATIONAL EXPERIENCES

Member of Valorant Division at Computing Sports and Games Olympiad (CSGO)   February 2025
- Promoted the tournament by distributing broadcast messages and engaging participants throughout the event.
- Collaborated on planning the tournament format and managed live updates of the tournament brackets during the 3-day competition.

PROJECTS

Fantasy Book Chatbot with RAG and Gemini   *Personal Project* (2025)
- Built a full-stack RAG chatbot using FastAPI, Gemini 2.5 Pro, LangChain, and FAISS for book Q&A.
- Scraped 4,000+ book descriptions using Selenium, stored data in MongoDB, and deployed the app with Docker on Railway.

Merchandise Summarization & Sentiment Analysis App   *Academic Project* (2025)
- Built a React-Firebase web app with Flask APIs for BART-based summarization and DistilBERT sentiment analysis.
- Crawled and fine-tuned on 6,000+ reviews using WebHarvy.

RIYA's Question & Answer Chatbot (LLM Mobile App)   *Academic Project* (2025)
- Developed a mobile chatbot using Flutter and a fine-tuned Llama-3.2-3B-Instruct model with Transformers and Unsloth.
- Showcased LLM inference on mobile with a custom conversational dataset.

RIYA's Speech Summarization   *Academic Project* (2025)
- Built a multilingual system using the mT5 model to convert speech to text, generate summaries, and play them back as audio.
- Supported English, Indonesian, French, Russian, and Chinese with real-time interaction and customization options.

Tomato Ripeness Computer Vision   *Academic Project* (2025)
- Built a YOLOv8m-based vision system to classify tomato ripeness from static images, video, and real-time input.
- Used OpenCV for drawing bounding boxes and displaying detection results.

WellBelle - Disease Prediction Chatbot   *Academic Project* (2024)
- Developed a chatbot using Naive Bayes, TF-IDF, and spaCy to predict diseases based on user-input symptoms.
- Focused on medical NLP processing and classification workflows.

OTHERS

Language: Indonesian Language (Native), English (Advanced)
Certificates:
- Duolingo English Test (130) by Duolingo English Test
- Belajar Dasar AI, Memulai Pemrograman dengan Python, Belajar Dasar Visualisasi Data, Belajar Dasar Data Science by Dicoding
- Generative AI for Information System by Thematic Academy, Digitalent