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

- **Full-Stack Web Development:** Laravel, Next.js, React.js, Node.js, Vite, Flask, HTML, CSS, Bootstrap, Tailwind CSS.
- **Databases:** SQL, NoSQL, PostgreSQL, MongoDB, Firebase, Supabase, Neon, Drizzle ORM.
- **Programming Languages:** JavaScript, Python, Java.
- **Artificial Intelligence:**
  - **Machine Learning:** Supervised, Unsupervised, Reinforcement Learning.
  - **Deep Learning:** Model training, fine-tuning, and deployment.
  - **Computer Vision:** Object detection, classification, image processing.
  - **Natural Language Processing (NLP):** Text classification, generation, summarization, sentiment analysis, speech processing, transformers, large language models (LLMs).
- **Tools & Platforms:** Git, GitHub, Jupyter Notebook, Kaggle, Google Colab, Notion, VS Code, Firebase Console, MongoDB Compass, Google Workspace, Microsoft 365, Blender, Unity.
- **Data Visualization:** Tableau

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.
- Refined student handbook for AI alignment.
- 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
- Creating English lesson plans, teaching materials, and assessments.
- Teaching language classes to improve students' English skills.
- Tutoring new students to enhance their English proficiency.
- Providing feedback and tracking student progress.
- Currently manage 3 classes totaling 90 students, including both Indonesian and international learners.

ORGANIZATIONAL EXPERIENCES

Member of Valorant Division at Computing Sports and Games Olympiad (CSGO)   February 2025
- Distributed broadcast messages to promote the event and ensure participant engagement.
- Collaborated in planning the tournament format, including decision-making on match structures (Best of 1/3/5) within a 3-day schedule.
- Created and managed tournament brackets, updating them live in real time throughout the event.

PROJECTS

- **Pet Shop Management System** - *Developed for Academic Project*. Developed a website and GUI for appointment scheduling, product checkout, and employee management using ***PHP, MySQL, Java, JavaScript, CSS, and Bootstrap.***
- **MoTrack** - *Developed for Academic Project.* An expense tracker simple website developed using Full Stack ***Next.js with React, Tailwind CSS, Drizzle ORM, and Clerk.***
- **WellBelle** - *Developed for Academic Project.* Built a disease prediction chatbot using ***Naive Bayes*** and ***TF-IDF***. Integrated ***spaCy*** for enhanced NLP interaction.
- **Pookies** - *Developed for Academic Project.* An Android chatbot application leveraging ***OpenAI's API***, built with ***Android Studio Java*** and integrated with ***Firebase*** for data management.
- **Hunt The Wumpus** - *Developed for Academic Project.* Designed an AI-based 6x6 grid game using ***Python and Alpha-Beta Pruning*** for strategic Hunt-The-Wumpus gameplay.
- **Resume Reviewer** - *Nov 2024 - Dec 2024 Associated with President University*. Reviewed and assessed a total of ***769 resumes*** for ***President University's Batch 2023 and 2024 students*** within ***1 month***.
- **Urban Night City** - *Developed for Academic Project.* A 3D model and animation created using **Blender**.
- **PAPI (Powerful Artistic Photo Innovator)** - *Developed for Academic Project.* A ***Python***-based ***desktop image editor*** built with ***Tkinter*** and ***OpenCV***.
- **RIYA's Speech Summarization** - *Developed for Academic Project.* Developed a speech-to-text summarization system using ***Python*** and the ***mT5*** model, supporting ***multilingual text input*** (English, Indonesian, Russian, French, Chinese) and generating summaries in those languages. Includes real-time speech recognition, customizable summarization parameters, and text-to-speech (TTS) output for audible playback of summaries.
- **Tomato Ripeness Computer Vision** - *Developed for Academic Project.* A computer vision-based classification system built using ***Python*** and ***YOLOv8m*** to detect tomato ripeness levels (unripe, semi-ripe, fully ripe) from photos, videos, and real-time camera input.
- **RIYA's Chatbot** - *Developed for Academic Project.* A ***mobile chatbot*** application built using Flutter. The chatbot is powered by a custom fine-tuned ***Llama-3.2-3B-Instruct*** model, fine-tuned using the ***Transformers*** library and ***Unsloth*** on a custom dataset.
- **Autonomous Robotic Car** - *Developed for Academic Project.* Designed a robot with ***Arduino*** for obstacle avoidance, fire detection, and water-spraying for hazard response.
- **Merchandise Website Document Summarization and Sentiment Analysis** - *Developed for Academic Project.* Developed a web application using ***Vite (ReactJS)*** for the frontend and ***Firebase*** for the backend. The summarization was performed using ***BART-Large-CNN***, while sentiment analysis used ***DistilBERT***. Both models were deployed via ***Flask API*** and ***Docker***. To fine-tune the models, a dataset of ***6,000 reviews (2,000 positive, 2,000 negative, and 2,000 neutral)*** was collected through data crawling using ***WebHarvy***.
- **Personal Portfolio** - Developed for Personal Project. A responsive portfolio website built with **Vite, React JS, Tailwind CSS4, ShadCN UI, and MailJS**. Integrated **Gemini AI** for portfolio-related queries. Supports light/dark mode.

OTHERS

Language: Indonesian Language (Native), English (Advanced)
Certificates:
- Duolingo English Test (130) by Duolingo
- 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