

Putu Gede Pradana Adnyana

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Summary

Highly motivated and results-oriented Electrical Engineering student with a strong focus in Computer Engineering and Artificial Intelligence. Seeking a challenging role to leverage my technical expertise in machine learning and software development. Proven ability to lead teams, analyze data, and build real-world AI solutions.

Education

Udayana University, BEng in Electrical and Computer Engineering Sept 2020 – Aug 2024

- GPA: 3.97/4.0 ([Transcripts](#) 🔗)
- **Final Project:** Design of a Web-Based Capstone Project Information System at Udayana University Electrical Engineering Study Program (PSTE Unud)
- **Coursework:** Discrete Mathematics, Data Structure, Computer Architecture, Software Engineering, Machine Learning, Big Data, OOP

Mastering AI: From Foundations to Applications by Ruangguru, Mar 2024 – July 2024

- GPA: 90/100 ([Transcripts](#) 🔗)
- **Coursework:** Python, Data Cleaning, Data Visualization, Statistic, Linear algebra and calculus, Machine Learning, Deep Learning, CNN and Computer Vision, Pytorch, NLP and Transformer, MLOps

Bangkit by Google, Goto and Traveloka, Machine Learning Feb 2023 – July 2023

- GPA: 95/100 ([Transcripts](#) 🔗)
- **Coursework:** Python, Data analytics, Mathematics for Machine Learning, Machine Learning, Deep learning with Tensorflow, ML Deployment

Technical Skills

Language: Python (Advanced), C++ (Intermediate), SQL (Intermediate), Bash (Intermediate)

Data Analysis and Manipulation: Pandas, Numpy

Data Visualization: Seaborn, Matplotlib, Plotly, Tableau

Machine Learning Modeling: Pytorch, Tensorflow, Sklearn, Huggingface Transformer

Large Language Model: Langchain, VertexAI, OpenAI, Anthropic

Deployment: Flask, FastAPI, Docker, Git, Streamlit, Gradio

Cloud Service: Azure AI Service

Soft Skills

Project Management, Agile development, Time management, Troubleshooting and Problem Solving, Data Analytics

Language Proficiency

Indonesia (Native), English (Intermediate)

Certification

[Tensorflow Developer Certificate](#) 🔗, [Microsoft Certified: Azure AI Engineer Associate](#) 🔗

Experience

Artificial Intelligence Engineer Intern, Ruang Guru – Jakarta, Indonesia Sept 2024 – present

- Developed Centralized LLM Playground: Created a centralized playground integrating multiple third-party LLMs

(e.g., OpenAI, Gemini, Anthropic) to streamline model access for product and developer teams, reducing setup time by 30%.

- Automated Deployment Pipeline: Implemented CI/CD for streamlined deployment of the playground, reducing deployment errors and downtime by 25%.

Product Development Intern, XL Axiata (X-Camp) – Jakarta, Indonesia

Aug 2024 – Aug 2024

- Integrated RTSP Cameras into the JemaahCounter System, enhancing input processing capabilities by 25%, leading to more accurate and scalable system monitoring.
- Improved JemaahCounter performance by 40% using multithreading and CUDA, boosting data processing speed and efficiency for real-time analytics.
- Developed web and desktop applications that facilitated monitoring of JemaahCounter, increasing system oversight and user accessibility by 50%
- Installed and configured Jetson Nano for YOLO model deployment, achieving successful execution of YOLOv8/Helomet and YOLOv5 COCO models, which supported AI-driven tasks by up to 30% faster with CUDA.
- Set up and managed MQTT client integration with ThingsBoard, handling telemetry data updates and validating RPC requests, enhancing Smart Locker system reliability by 20%.

Personal Projects

Suicidal Intent Classification Using Sentiment Analysis

([Project Link](#))

- Developed a system to classify social media content for suicidal intent to support mental health monitoring in adolescents, targeting a detection accuracy of over 98%.
- Built using Hugging Face Transformers and DistillBERT, processing a dataset of 232,074 posts (50% suicidal, 50% non-suicidal).
- Deployed with Gradio on Hugging Face Spaces, achieving an interactive model response time of under 2 seconds.
- Tools Used: Python, Huggingface Transformer, Gradio

UmMeals – Maternal and Child Nutrition App

([Project Link](#))

- Developed an app supporting nutrition tracking for pregnant women and toddlers with features like personalized monitoring and early stunting detection, leading to better health insights.
- Managed all project phases, from ideation and research to design and deployment, resulting in selection as a top 6 finalist out of 15 teams in the Skilvul, Biji-biji Initiative, and Microsoft Innovation Challenge 2024.
- Tools Used: Python, SQL with ORM using SQLAlchemy, Streamlit, Microsoft Azure AI, Power BI

Bangkit Capstone Project : Linguity, English Pronunciation Mastery App

([Project Link](#))

- Led problem discovery sessions, defining actionable solutions and ensuring team alignment. Organized and facilitated regular meetings to track progress and address challenges, enhancing productivity by 20%.
- Identified and preprocessed multiple datasets, streamlining data preparation for model training.
- Developed a CNN model in Python using TensorFlow, achieving a 90%+ accuracy in predicting spoken words.
- Deployed the model via a REST API using Flask, enabling efficient user interaction and integration.
- Tools Used: Python, Tensorflow, Flask, Google Cloud Platform