

Putu Gede Pradana Adnyana

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🔗 pradanaadn.github.io/about | [in pradanaadn](https://in.pradanaadn) | [pradanaadn](https://github.com/pradanaadn)

Summary

AI Engineer with expertise in software development, system design, and machine learning. Proven experience in developing user-centered tools and optimizing AI-driven systems. Passionate about leveraging AI to transform the education sector.

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)
- **Best Graduates** of the Faculty of Engineering, Udayana University at the 163rd Graduation
- **Coursework:** Discrete Mathematics, Data Structure, Computer Architecture, Software Engineering, Machine Learning, Big Data, OOP, Database, Computer Network, Information Technology Project Management

Mastering AI: From Foundations to Applications by Ruangguru, Machine Learning Engineering 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](#) 🔗)
- Distinction Graduates, 10% of 5000++ Cohort
- **Coursework:** Python, Data analytics, Mathematics for Machine Learning, Machine Learning, Deep learning with Tensorflow, ML Deployment

Technical Skills

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

Data Analysis and Manipulation: Pandas, Numpy

Data Vizualization: Seaborn, Matplotlib, Plotly, Tableau

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

Large Language Model: Langchain, VertexAI, OpenAI, Anthropic

API and Web Development Framework: Flask, FastAPI, Django REST API, Laravel

Deployment: Docker, Git, Gthub Action, Streamlit, Gradio

Cloud Service: Azure AI Service, Google Cloud Platform, Google Colab

Experience

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

- Led the development of a centralized system integrating multiple third-party AI models (e.g., OpenAI, Gemini, Anthropic), streamlining access for product and development teams and improving system efficiency by **30%**.
- Implemented CI/CD pipelines to automate deployment processes, reducing deployment errors and downtime by 25%, showcasing expertise in system optimization and reliability, key for supporting scalable IT solutions in banking environments.

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

Aug 2024 – Aug 2024

- **Enhanced System Efficiency and Scalability:** Led the integration of RTSP cameras and optimized multithreaded data processing using CUDA, increasing system performance by 40% and ensuring real-time analytics for scalable monitoring solutions.
- **Developed and Deployed AI-Driven Solutions:** Configured Jetson Nano for YOLO model deployment and integrated MQTT with ThingsBoard, improving system reliability and enabling faster AI-based task execution by 30%, aligning with digital transformation initiatives in financial systems.

Certification

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

Soft Skills

Project Management, Communication, Agile development, Time management, Technical Problem Solving, Data Analytics, Leadership, Continuous learning, Cross-Functional Collaboration

Additional Attributes

Willing to work from Yogyakarta (WFO) as required.

Language Proficiency

Indonesia (Native), English (Proficient, TOEFL ITP Score 500+ +) [[Certificate](#) [🔗](#)]

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% using Transformer Based Model
- 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