Putu Gede Pradana Adnyana

📍 Bali, Indonesia | ✉ work.pradanaadn@gmail.com | 📞 0812-3737-4363 | 🔗 pradanaadn.github.io/about

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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 Mathemathics, 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 (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 (Transcripts ↗)
- **Coursework:** Python, Data analytics, Mathemathics for Machine Learning, Machine Learning, Deep learning with Tensorflow, ML Deployment

Technical Skills

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

Data Analysis and Manipulation: Pandas, Numpy

Data Vizualization: Seaborn, Matplotlib, Plotly, Tableau

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

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

- 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