Putu Gede Pradana Adnyana

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Summary

AI Engineer with a strong foundation in machine learning, data science, and AI model development, complemented by expertise in software development and system optimization. Demonstrated success in applying advanced AI techniques to real-world problems, including predictive analytics, recommendation systems, and natural language processing. Passionate about driving global impact through ethical AI practices, fostering innovation, and empowering diverse teams in a collaborative, remote environment.

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 Mathemathics, 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, Mathemathics for Machine Learning, Machine Learning, Deep learning with Tensorflow, ML Deployment

Technical Skills

Language: Python (Advanced), Java (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

Large Language Model: Langchain, VertexAI, OpenAI, Anthropic

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

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

Cloud Service: Azure AI Service, Google Cloud Platform

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.

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 Solvingg, Data Analytics, Leadership, Continuous learning, Cross-Functional Collaboration

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