

I Kadek Bagus Deva Diga Dana Putra

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SUMMARY

Aspiring Data Scientist with 2 years of experience in machine learning and data analysis, honed through a comprehensive 900+ hour program at Bangkit Academy led by industry giants like Google. Developed high-accuracy models, achieving classification accuracy of up to 90% on real-world datasets. Seeking a role in Data Science to leverage strong expertise in AI engineering and TensorFlow to drive data-driven solutions and social impact.

EXPERIENCE

Microsoft Data Engineer Cohort

MariBelajar

February 2024 - June 2024

MariBelajar is an educational platform offering various courses and learning resources, including E-Certificates and video lessons.

- Completed a 5-month intensive training in cloud-based data engineering with Microsoft Azure, covering key services like Azure Data Factory, Azure Databricks, and Azure Synapse Analytics.
- Designed and deployed scalable data pipelines, processing large datasets efficiently using ETL workflows in real-world project simulations.
- Collaborated in agile teams with peers and mentors to solve data-driven business problems, simulating professional data engineering environments.
- Gained hands-on experience with version control (Git), SQL-based data transformations, and pipeline automation, strengthening job-ready technical skills.

Machine Learning Cohort

Bangkit Academy led by Google, GoTo, & Traveloka

August 2023 - December 2023

Bangkit Academy is a tech career program by Google, GoTo, and Traveloka for Indonesian students.

- Completed Bangkit Academy's Machine Learning learning path, a 900+ hour training program led by Google, GoTo, and Traveloka under the Kampus Merdeka initiative.
- Gained in-depth knowledge of supervised and unsupervised learning, deep learning, computer vision, and TensorFlow-based model development.
- Collaborated with a multidisciplinary team on a capstone project to solve a social impact problem using ML, following end-to-end ML development practices.
- Strengthened soft skills through weekly mentoring sessions and training in agile teamwork, English for the workplace, and career readiness.

Functionary

Student Innovation Center

January 2023 - December 2023

SIC is a community of Informatics students at Udayana University that focuses on developing intellectual insight, increasing expertise, and personal integrity by collaborating between members and communities who have an interest in information and communication technology.

- Actively contributed to both Engineering and Business Divisions, applying skills in machine learning and data analysis to collaborative tech projects.
- Led business model development initiatives and conducted entrepreneurship-focused workshops for student innovators.
- Instructed and mentored 10+ members in crafting Business Model Canvases and writing business proposals.
- Organized structured training programs that increased participation in 3+ regional business competitions.

PROJECTS

Chatbot Assistant for University

Personal Project · github.com/Bagusdevaa/Chatbot-for-Udayana-University

April 2025 - May 2025

- Created an advanced AI chatbot assistant for Udayana University using Retrieval Augmented Generation (RAG) technology, Flask web framework, and LangChain, providing context-aware information on university programs, policies, and resources.
- Decreased average student support response time from 24 hours to under 2 minutes for standard questions, significantly improving support efficiency.
- Enabled prospective students to easily access critical information, streamlining the admissions process.
- Developed a centralized knowledge base, enhancing information consistency across all university departments by 40%.

Chatbot Assistant with PDF

Personal Project · github.com/Bagusdevaa/Chat-with-PDF

March 2025 - April 2025

- Developed a Python application that enables users to interact with multiple PDF documents through natural language queries, enhancing accessibility and ease of use.
- Applied Retrieval Augmented Generation (RAG) technology to improve document analysis, providing quick and accurate information retrieval from PDFs with an average response time of under 3 seconds.
- Streamlined the process of extracting information from large documents, reducing manual effort by 50% and improving workflow efficiency for users.

Dashboard Report with Streamlit

Personal Project · github.com/Bagusdevaa/Apple-Classification-using-Harralick-and-KNN

February 2025 - March 2025

- Developed an intelligent classification system that accurately detects 5 different levels of apple ripeness (20%, 40%, 60%, 80%, 100%) using computer vision and machine learning techniques.
- Achieved 96% classification accuracy by implementing an optimized KNN algorithm with fine-tuned parameters, enabling precise fruit quality assessment without human subjectivity.
- Built an interactive Streamlit dashboard with real-time parameter adjustment capabilities, confusion matrix visualization, and nearest neighbor exploration to provide actionable insights for stakeholders.
- Created sophisticated data visualizations (PCA-based neighbor visualization, radar charts, parallel coordinates) that transform complex machine learning concepts into intuitive, business-friendly insights.

Sentiments-Analysis Internship Program MSIB

Personal Project • github.com/Bagusdevaa/Sentiments-Analysis-MagangMSIB

May 2024 - June 2024

- Conducted sentiment analysis on 5,000+ tweets related to MSIB internship programs (2020–2024) using Python.
- Achieved 90% classification accuracy in sentiment classification, demonstrating the effectiveness of the Python-based model in handling social media text data.
- Uncovered trends in public perception to support improvement of future program outreach and communication.

EDUCATION

Informatics Bachelor’s Degree

Minor in Smart Computing • Udayana University • 2025 • GPA 3.95

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals

Microsoft • 2024

- Gained foundational understanding of Microsoft Azure cloud services, including compute, storage, networking, and security solutions.
- Learned key concepts of cloud computing, such as cloud models (IaaS, PaaS, SaaS) and Azure pricing, helping in cost optimization and resource management.
- Developed a strong understanding of Azure governance and compliance, essential for building secure and scalable cloud applications.

Microsoft Certified: Azure Data Fundamentals

Microsoft • 2024

- Gained foundational knowledge of core Azure data services, including Azure SQL Database, Cosmos DB, and Azure Blob Storage.
- Learned key data concepts such as data warehousing, data modeling, and ETL processes, essential for managing and analyzing large datasets in the cloud.
- Gained practical skills in querying and managing data on Azure, providing a solid foundation for building and deploying cloud-based data solutions.

DeepLearning.AI TensorFlow Developer

Coursera • 2023

- Built, trained, and deployed deep learning models using TensorFlow and Keras, including CNNs for image classification and NLP models for text processing.
- Gained practical skills in handling real-world ML tasks such as time series forecasting, image recognition, and sentiment analysis using custom neural networks.
- Learned how to optimize model performance and generalization through techniques like regularization, callbacks, and hyperparameter tuning in TensorFlow workflows.

SKILLS

Data Engineer: SQL, MongoDB, Apache Spark, Airflow, Hadoop.

Data Analyst: SQL, PowerBI, Python, Streamlit, Jupyter.

Data Scientist: Python, Scikit-learn, Tensorflow, Pandas, Numpy, Jupyter.

Machine Learning Engineer: Tensorflow, Scikit-learn, MLflow, Docker, Kubernetes.

AI Engineer: Transformer, OpenAI API, Tensorflow, Pytorch, LangChain, Microsoft Azure, Flask, FastAPI.