ROYAN SABILA ROSYAD WAHYUDI

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As a final-year Computer Science student at UIN Syarif Hidayatullah Jakarta, I dedicated AI/ML Engineer specializing in cloud-deployed intelligent solutions using Google Cloud, and Azure platforms. Gained hands-on experience through academic projects and professional internships developing scalable ML systems. Skilled in Python machine learning frameworks, statistical modeling, and cloud infrastructure for AI applications. Portfolio includes recommendation engines and predictive analytics demonstrating end-to-end cloud development capabilities. Passionate about artificial intelligence's transformative potential in cloud environments. Ready to contribute technical expertise and innovative thinking to build next-generation cloud-based AI solutions that drive meaningful business impact.

Education

Universitas Islam Negeri Syarif Hidayatullah Jakarta - Indonesia   **2021 – Expected Aug 2025**
Informatics Engineering, 3.82/4.00

- Relevant Coursework : Data Structures and Algorithms, Artificial Intelligence, Database Managements, Web Development and Design, Software Project Management, Data Analytics
- Honors : Distinct Graduate Bangkit Academy 2024 Batch 2 – Cloud Computing

Work Experience

AI Automation Engineer – Remote   **Apr 2025 – Present**
Freelance

- Designed and implemented sentiment analysis workflow using n8n to process high-volume citizen comments across social media platforms.
- Architected end-to-end automation pipeline using n8n, connecting social media APIs, sentiment analysis models, and response generation systems.
- Reducing manual review time by 75% and enabling consistent response quality across government communications.

AI Engineer – Laskar AI   **Feb 2025 – Aug 2025**
Apprenticeship

- Leveraged MLflow within Azure ML to track experiments, manage model versions, and compare performance metrics across multiple iterations, supporting reproducibility and collaboration.
- Gained hands-on experience in machine learning and deep learning techniques, applying supervised and unsupervised learning algorithms to real-world datasets, and fine-tuning models for optimal performance before deployment.

DevOps Engineer – Kementrian Agama Republik Indonesia   **Nov 2024 – Mar 2025**
Internship

- Played a key role in the development and deployment of the Pusdiklat Room Management System, a web-based application designed to streamline room booking, scheduling, and resource allocation for internal ministry operations.
- Implemented CI/CD pipelines using Google Cloud Platform (GCP) to automate testing, building, and deployment. Also contributed to project management and task tracking using Notion, ensuring timely delivery and alignment with business requirements.

Cloud Engineer – Bangkit Academy   **Sep 2024 – Jan 2025**
Internship

- Collaborated in a capstone team to integrate machine learning models with Flask and FastAPI frameworks, deploying them to production-grade environments with minimal latency and high uptime.
- Utilized services such as Compute Engine, Cloud Run, and Cloud Endpoints to deploy backend components and manage API traffic efficiently, while adhering to cloud security best practices.

Database Administrator – Remote   **Mar 2024 – July 2024**
Freelance

- Delivered customized database solutions for small and medium businesses using SQL Server Management Studio, focusing on designing relational schemas that aligned with client requirements and business logic.
- Maintained clear documentation and provided support for easy integration with client-facing applications, earning positive feedback for clarity and maintainability.

Projects

Chickbot : AI-Powered Chicken Disease Diagnostic System
- Developed Integrated Large Language Models with Agentic Retrieval-Augmented Generation pipeline to create comprehensive disease knowledge base.
- Achieving 95% diagnostic accuracy across 4 common chicken using an optimized and reliable detection system.
- Built intuitive user interface using Streamlit framework, enabling farmers to upload chicken images, receive instant diagnostic results, and access detailed treatment protocols through conversational AI interface

Website : E-Pustaka Perpus UIN
- Built a role-based library management system to digitize book borrowing, returning, and tracking processes at UIN Syarif Hidayatullah Jakarta.
- Deployed the application on Oracle Cloud Infrastructure (OCI) using a Virtual Machine instance and Autonomous Database , ensuring secure and scalable cloud hosting.

Honor and Awards

Social Trust Funds (STF) Full Scholarship
- Selected as one of only 52 recipients university-wide for a prestigious full scholarship recognizing academic excellence and leadership potential.
- Actively contributed to the media division as a volunteer, supporting content creation and digital communication efforts such as blog writing and newsletter development for student organizations.

Skills

Languages: Indonesia (Native), English (Working Proficiency)

Software: (Proficient) : Python, SQL, Javascript, PHP, Excel. (Familiar) : TensorFlow, PyTorch, Scikit-learn, MlFlow, n8n.

Data Visualization & BI Tools: Tableau, Looker Studio, Metabase

Cloud Platforms: Microsoft Azure, Oracle Cloud, Google Cloud Platform (GCP).

Project Management Tools : (Proficient) : Notion, Trello.

Interpersonal: Communicative, Teamwork, Collaborative, Adaptability, Problem Solving.