Ida Bagus Raditya Avanindra Mahaputra

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Tugus is an engineering student that has a strong passion for data and cloud computing. Holds 2 AWS and Tensorflow Developer certifications.

EDUCATION

Bachelor, Information System and Technology, Institut Teknologi Bandung   *2019 - 2023*
- Cumulative GPA 3.85/4.00 (146 credits)
- Bangkit 2022 by Google, GoTo, and Tokopedia Machine Learning Student
- Final project title: Implementation of Artificial Neural Network Algorithm in Fraud Detection System
- Relevant Courseworks: Cloud Computing, Intelligent Systems, Database, Probability and Statistics

Indonesian International Student Mobility Awards, University of Liverpool   *2022 - 2023*
- One of the 25 chosen awardees of 766 applicants for University of Liverpool
- Relevant Courseworks: Designing Systems for the Digital Society, Creative Principles of Game Design

WORK EXPERIENCES

Amazon Web Services | Solutions Architect Intern   *May 2023 - August 2023*
- Built and presented a demo-ready web application focused on image-to-image generative AI using a range of AWS services including Sagemaker, Lambda, Cognito, Amplify, API Gateway, and Rekognition.
- Collaborated and actively participated in 10+ customer meetings, gaining exposure to real-world client interactions and understanding their requirements, especially digital native businesses.
- Delivered 2 presentations with inclined votes from the panels, one focusing on introducing AWS while gathering customer requirements, and the other creating architecture diagram for the proposed solution.

Prosa.ai | Speech AI Engineer Intern   *June 2022 - August 2022*
- Optimized speaker diarizer engine processing time by up to 21% through parallel i-vector extraction method.
- Enhanced memory utilization within the speaker diarizer engine by modifying server configuration, resulting in a remarkable 63% reduction in memory usage.

STEI ITB | Database Modeling Coordinating Assistant   *September 2021 - December 2021*
- Managed 3 class assistants and assisted 121 class participants.
- Wrote 10+ practical SQL questions and 3 database modeling projects and evaluated 28 final projects

Hired Today | Data Analyst Intern   *June 2021 - September 2021*
- Provided insights and reports for the sales team about ad posting, jobseeker growth, and employer growth.
- Created database documentation for Hired Today production database containing more than 50 tables and created more than 15 queries to help the team make data-driven decisions.

.ORGANIZATIONAL EXPERIENCES

Kabinet KM ITB | Deputy Minister of Data Museum   *September 2021 - April 2022*
- Co-lead a team of 27 people of 3 divisions working on data analytics and data archiving on KM ITB.
- Analyzed data from surveys conducted by Data Museum using data analytics stacks with (pandas and matplotlib)

PROFESSIONAL CERTIFICATIONS

Solutions Architect Associate   *AWS (2023)*
Cloud Practitioner   *AWS (2023)*
Tensorflow Developer Certificate   *Tensorflow (2022)*

SELECTED PROJECTS

Gambarin Gue! (2023). Customer demo program for Generative AI using AWS. **Typescript, Next.js, AWS**
Fraud Detection System (2023). Fraud detection system using artificial neural network algorithm. **Tensorflow, GCP**
Fraud Transactions Analysis (2023) Exploratory data analysis on IEEE-CIS Fraud Detection Dataset. **Python**
MFCC Extractor (2022). API to extract MFCC features of an audio file. **Python, FastAPI**
Rumah123 Data Analysis (2021). Data Scraping and Analysis of Rumah123.com. **Python, MongoDB**

SKILLS

Software: AWS, Python, SQL, Tableau, PowerBI, React, Next.js, Typescript, Javascript, gRPC, C++, MongoDB, FastAPI, Java, C, Javascript, Flutter