

SULTHAN FARRAS RAZIN

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Bogor

A Computer Science graduate with a strong interest in the complete data lifecycle — from analytics, Sciences, AI to data governance and operations. Actively builds new skills through several LinkedIn certifications in different data fields, showing adaptability and a continuous drive to learn. Experienced in using data-driven approaches at AIESEC, BCA, and GoTo, including building dashboards, evaluating AI models, and optimizing data processes to support better decisions. Motivated to keep growing in data-related roles and turn complex information into clear, practical insights.

Education Level

Institut Pertanian Bogor - Bogor

May 2022 - Jul 2026 (Expected)

Undergraduate Computer Science, 3.46/4.00

- Participated in the 2024 Batch 2 of the Bangkit Academy Machine Learning Path by Google, GoTo, and Traveloka,
- Specialized in Computational Intelligence Optimization Division, integrating practical experience with my Computer Science major.

Work Experiences

Bank Central Asia - Jakarta, Indonesia

Aug 2025 - Dec 2025

Data Science Intern

- Researched, explored, and fine-tuned Generative AI models to enhance automatic behavioral scoring for Call Center agents based on Voice-to-Text (VTT) transcripts, improving accuracy and consistency in evaluation.
- Implemented audio pre- and post-processing pipelines, increasing transcription accuracy by 10–20%, and compared 7 state-of-the-art models including OpenAI Whisper, Whisper-VLLM, and Qwen variants to identify the most efficient in performance, runtime, and user alignment.
- Developed and deployed a custom VTT API integrated with the agent scoring system, automating assessment workflows within BCA KPR product operations and achieving up to 80% scoring accuracy.
- Designed detailed system documentation and flow diagrams outlining the end-to-end scoring agent architecture to ensure scalability, reproducibility, and seamless deployment.
- Labeled and analyzed 15,000+ customer chat transcripts from Halo BCA, categorizing user inputs into information requests, feedback, and complaints, providing actionable insights and financial domain understanding for model training.

GoTo - Jakarta

Jan 2025 - Jul 2025

Data Science Intern

- **Web Scraping & Data Collection:** Successfully scraped 20+ websites using Python and EzScrape, automating large-scale data extraction, resulting in the collection of 15,000+ links and extraction of over 2 million tokens to optimize structured data pipelines for AI training.
- Conducted research on data augmentation and model efficiency, analyzing multiple papers and journals on Web Rephrasing Data and synthetic text generation to improve model accuracy before deployment.
- **Data Annotation & AI Model Evaluation:** Conducted data annotation and validation using Label Studio, labeling 800+ pickup points for GoRide, GoCar, and GoSend, and categorizing 1,500+ food items to enhance the AI-based recommendation system for GoFood.
- Contributed to the DIRA voice assistant project by collecting 500+ voice samples, and participated in evaluating and testing 1000+ AI prompts, thinking models, and chatbot responses for Sahabat GoTo's conversational AI system.

Organisational Experience

AIESEC In IPB - Bogor, Indonesia

Aug 2023 - Feb 2025

Customer Data Specialist

AIESEC is a global non-profit for youth leadership development. As a Customer Experience member, I manage participant data to tailor future events. I enjoy working with big data and spreadsheets like CX Worksheet and Performance Tracker.

- Built and maintained a Google Sheets-based dashboard to monitor 120+ participant engagement metrics and attendance across 10+ events, enabling real-time performance tracking and data-driven decision-making.
- Conducted onboarding and engagement sessions, achieving an average satisfaction score of 9.5/10, while continuously refining training flow and documentation based on participant feedback and performance metrics.
- Developed and standardized operational documentation (SOPs, templates, and event timelines) that successfully passed internal audits, earning a compliance grade 95 from the national board.

IEEE - Bogor, Indonesia

Dec 2023 - Present

Web Development

The Institute of Electrical and Electronics Engineers (IEEE) is the world's largest professional organization advancing technology through collaboration, innovation, and knowledge-sharing in engineering and computer science.

- 3 + Making Engaging Content within Last Updates about our Activity and News in website to increase total Visitors of website.
- 2 + Making Prototype Landing Page for Improvement Website IEEE SB IPB.

Skills, Achievements & Other Experience

- **Achievements** (2024): Finalist PIMNAS 37 Field Social Research and Humanity by Puspresnas and Kemendikbudristek
- **Modules Taken** (2022): 7 Habits of Highly Effective New College Students by Dunamis Organization Service
- **Modules Taken** (2024): Dicoding - Analyst daya with Python, Intro to Github, Basic Software Development, Basic SQL, DevOps, Computational Thingking, Basic AI
- **Modules Taken** (2024): Coursera - Machine Learning Specialization - Supervised Learning, Unsupervised Learning, Advanced Learning Algorithm
- **Modules Taken** (2024): Coursera - Deep Learning.AI Tensorflow - Introduction to Tensotflow, Convolutional Neural Network, Neural Language Processing, Sequence/Time Series, Structuring ML Project
- **Modules Taken** (2024): Coursera - Tensorflow Data and Deployment - Browser Based Models, Data Pipeline, Device Based
- **Modules Taken** (2024): Coursera - Advance Technique - Computer Vision, Custom and Distributed, Custom Models
- **Modules Taken** (2024): Coursera - Build basic GANs, Gen AI
- **Modules Taken** (2025): Atlassian Agile Project Management Professional Certificate by LinkedIn and Atlassian
- **Modules Taken** (2025): Business Ethics by LinkedIn Learning
- **Modules Taken** (2025): Career Essentials in Data Analysis by Microsoft and LinkedIn
- **Modules Taken** (2025): Complete Guide to SQL for Data Engineering: from Beginner to Advanced
- **Modules Taken** (2025): Data Engineering Foundations Professional Certificate by Astronomer
- **Modules Taken** (2025): Using Tableau to Discover Powerful Business Insights
- **Modules Taken** (2025): Data Science Professional Certificate by KNIME
- **Modules Taken** (2025): Learning Data Governance by LinkedIn Learning
- **Modules Taken** (2025): Certificate in Agile Scrum Fundamentals by MindMagine
- **Projects** (2024): Dicoding- Data Analysis Using Python – Analyzing bike-rental data to uncover insights that can enhance business value.
- **Modules Taken** (2025): Learning ITIL by LinkedIn Learning
- **Projects** (2024): Quantitative Method Subject - Clustering of National Prosperity Status – Analysis using K-Means, Silhouette Coefficient, and Elbow Method to determine the optimal cluster based on GDP and Income.
- **Projects** (2023): Database Subject – A carbon emission tracking system with input and monitoring features using SQL and ERD.
- **Projects** (2024): Data Structure Subject - Hospital Management System – Implementation of data structures to manage patients, doctor schedules, and medicine inventory.
- **Projects** (2024): Bangkit - Machine Learning Project - Built a sequence-based deep learning model to identify excess daily sugar consumption using user profiles, daily activities, and food consumption data.
- **Projects** (2024): UI/UX Design Subject - Redesign of IPB Mobile – Adding a facility complaint feature to enhance user satisfaction.
- **Projects** (2025): Data Mining Subject – Flood Probability Prediction – Built neural network using 50000+ environmental data entries to predict flood risk with high accuracy
- **Projects** (2025): Artificial Intelligence Subject – Irrigation Demand Forecasting – Predicted daily water needs using Decision Tree and Fuzzy Inference System based on climate data
- **Projects** (2025): Image Digital Processing Subject – Fruit Image Restoration – Applied classical filters to remove synthetic noise and enhance image quality
- **Projects** (2025): Computational Intelligence Subject – Heart Disease Prediction – Developed ACO-PSO optimized model with Random Forest achieving 86.68% accuracy