

Muhammad Dzakwan Alifi

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Dzakwan is a motivated freshman at IPB University, majoring in Statistics and Data Science, with a keen interest in data science, machine learning, and graphic design. Driven by a passion for learning and innovation, he actively seeks opportunities to grow his skills and knowledge. Dzakwan is currently pursuing internships, organizational roles, and volunteer work to deepen his expertise and gain hands-on experience in his fields of interest.

EDUCATION

IPB University

Bogor, Jawa Barat

Bachelor of Statistics and Data Science

2022-2026

- Current GPA: 3.61/4.00
- Awards: Most Outstanding Student of Statistics and Data Science Department IPB, The Most Inspiring Student of Statistics and Data Science Department IPB, The 1st Outstanding Scholar of IPB Outsco Batch 5

PROFESSIONAL EXPERIENCE

SuperMap

Jakarta Pusat, DKI Jakarta

Technical Intern

2023

- Led the "Tsunami Vulnerability Assessment Mapping for Lumajang East Java District" project, creating GIS maps that enhanced emergency preparedness for over 1,000,000 Lumajang Regency residents.
- Central to the digitization initiative, producing accurate GIS-based vulnerability assessments that improved regional disaster response strategies.

ORGANIZATION EXPERIENCE

IPB Outsco

Scholar Performance Specialist

2024-2025

- Developed an interactive dashboard to track and visualize scholar achievements, including total activities, cumulative scores, activity types, and performance rankings across faculties. Provided insights into scholar engagement and achievement levels, segmented by month and activity categories.
- Conducted monthly data collection on scholar achievements, analyzed challenges and support needs, and generated quarterly reports to guide strategic decisions and enhance scholar support.

Gamma Sigma Beta

Staff of Data Analytics Departement

2024

- Spearheaded the National Statistics Seminar, drawing 500+ attendees, including key industry leaders, to foster advancements in data science. This pivotal event facilitated cutting-edge discussions, significantly enhancing the professional network and knowledge base of participants in statistical and analytical methodologies.
- Coordinated the GSB Training event in collaboration with Dibimbing.id, conducting 6 bootcamps and a presentation session, directly impacting 51 statistics students with hands-on Python supervised learning experiences.
- Managed time series analysis, Python programming, and optimization projects for 3 clients, significantly improving their operational strategies.
- Led the organization of the data science competition at Gammafest 2024, involving over 600+ participants nationwide in a comprehensive series of events including workshops and competitions.

ACHIEVEMENT

1st Place in Zakathon 2024

BAZNAS RI

2024

- As part of a team, developed ZakatKuy, an AI-powered app that enhances zakat processing efficiency by 5x, reducing transaction time from 10 minutes to 2 minutes. Focused on the AI development and created the Si Amil dashboard for tracking national zakat collection and distribution.
- Leveraged Gemini AI for instant zakat calculations and Whisper V3 for documentation. Presented the solution to 200+ BAZNAS representatives, demonstrating its potential for national digital transformation in zakat management.

3rd Place in SATRIA DATA 2024 – Big Data Challenge

Puspresnas

2024

- Built a predictive model that analyzed 5 million election-related tweets for topic identification, achieving 76% accuracy and leading in the preliminary round.

- Conducted sentiment and topic analysis on 9 million tweets about presidential candidates using RoBERTa and HDBSCAN, uncovering key controversial issues and shifts in public sentiment, and presented findings in the final.

1st Place in Slashcom 2024 – Android Hackathon

BEM FIK UPNVJ

2024

- Created SnapLingo, an AI-driven English learning app with features like real-time object translation, gamified vocabulary challenges, and interactive maps. Utilized Yolo-Tiny Image Detection and ML Kit Translation to enhance accessibility and engagement in language learning.
- Addressed Indonesia's low English proficiency with an innovative, user-friendly platform, recognized for its impact on digital language education.

2nd Place in LOGIKA UI 2024 Paper Competition

HMD Matematika FMIPA UI

2023

- Spearheaded data analysis and machine learning efforts for the paper "Optimizing Sustainable Public Transportation Routes with VRP and Machine Learning to Combat Pollution in Jakarta," proposing innovative solutions that enhanced public transport efficiency and contributed to pollution reduction.

"Tech Innovator" Winner of 48 Hour Innovation Challenge 2023

Kominfo, BMDV, and the German Embassy Jakarta

2023

- Led the development of "UrbanEye," an AI-driven solution to streamline traffic management, clinching the "Tech Innovator" title for devising an impactful AI strategy and technical design that promises to revolutionize urban mobility.

1st Place International Veterinary Scientific Competition (VEIN) 2023

BEM FKH Universitas Brawijaya

2023

- Pioneered the "Bovine Spongiform Encephalopathy Early Detection System (BOVISE)" using AI, making a significant contribution to veterinary science and public health by showcasing AI's potential in enhancing One Health initiatives.

3rd Place Winner TrackAML HACKATHON 2023

Pusat Pelaporan dan Analisis Transaksi Keuangan (PPATK)

2022

- Developed "AuditWatch," an innovative application using Ensemble Learning to detect suspicious financial transactions, recognized for its advanced AI application in combating financial crimes effectively.

1st Place Winner DQLab AI Competition

DQLab

2022

- Created a groundbreaking AI chatbot designed to enhance education through interactive learning, personalized engagement, and a comprehensive suite of modern educational tools, setting new standards in digital learning platforms.

LANGUAGES & SKILLS

- Technical Skills: Python, R, SQL, Microsoft Office, Adobe Premiere Pro, CorelDraw, Figma
- Certifications: IBM Data Science Specialization (Coursera), Data Analytics Micro-credential (Indonesia Cyber Education Institute)
- Languages: Indonesia, English