

Tubagus Zakki Ibrahim Ahmad

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Undergraduate Student in Computer Science & Statistics

Education

Bina Nusantara University

Bachelor of Computer Science & Bachelor of Statistics (Double Degree)

Jakarta, Indonesia

September 2022 - Present (Expected Graduated: 2027)

Relevant Coursework:

1. **Database Technology:** Designed and managed relational databases using SQL for data storage and retrieval.
2. **Big Data Infrastructure and Technology:** Gained hands-on experience with AWS services for large-scale data processing.
3. **Web Programming:** Developed dynamic web applications using Laravel framework and MySQL integration.
4. **Time Series Analysis:** Analyzed temporal data patterns and built forecasting models for trend prediction.
5. **Multivariate Analysis:** Applied advanced multivariate statistical techniques, including canonical correlation analysis, for complex data interpretation.

Awards:

1. **Most Favourite Poster – International Conference on Computer Science and Computational Intelligence 2025:** Recognized for presenting the poster “Analyzing the Impact of Digital Consumption on Focus and Attention Span Using Canonical Correlation Analysis”, highlighting research on the relationship between digital habits and attention span.

Completed Courses:

1. **Microsoft Applied Skills:** Create an intelligent document processing solution with Azure AI Document Intelligence, May 2025
2. **Microsoft Applied Skills:** Build a natural language processing solution with Azure AI Language, May 2025
3. **AWS Academy Graduate:** AWS Academy Cloud Foundations, August 2024

State Senior High School 1

Graduated: March 2022

Bandar Lampung,
Indonesia

Experience

**Teach For Indonesia Student
Community**

Bina Nusantara University
February 2024 - March 2025

Education Staff

- Designed and delivered interactive English lessons for 5th–6th grade elementary and 9th grade junior high school students.
- Developed age-appropriate learning materials to enhance vocabulary, grammar, and communication skills.
- Implemented engaging teaching strategies that improved student participation and learning outcomes.

Skills & Interests

Technical:

- Programming: Experienced in Python and R for data analysis and basic machine learning; built web apps using JavaScript and PHP (Laravel-based booking platform and job portal); wrote SQL queries for MySQL databases.
- Web Development: Developed Laravel-based websites (mental health survey platform, job portal) with authentication, scoring system, data visualization, and CRUD functionality.
- Database Management: Set up and manage MySQL databases locally using XAMPP and TablePlus for development and testing.
- Cloud & Backend: Deployed Laravel apps on Railway; configured AWS S3 buckets; used Firebase for authentication and real-time databases; built fullstack applications with Supabase.
- Payment Integration: Implemented and tested payment gateway integrations using Midtrans Sandbox.
- Version Control: Proficient with Git and GitHub for project collaboration, branching, pull requests, and repository management.
- Data Visualization: Built interactive dashboards with Tableau and visualized datasets/classification results with Matplotlib.

Language:

1. Indonesian: Native
2. English: Intermediate

Research Skills:

- Conducting literature reviews and summarizing academic research findings
- Applying statistical methods (Time Series Analysis, Multivariate Analysis, Canonical Correlation)
- Building and evaluating machine learning models for classification and analysis
- Designing and presenting academic posters (Awarded Most Favourite Poster at ICCSCI 2025)
- Data cleaning, preprocessing, and exploratory data analysis (EDA)
- Using Tableau and Matplotlib for data visualization and insights presentation