

BRILLIANTA ZAYYAN MUHAMMAD

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PROFILE

A fresh graduate in Informatics Engineering with practical experience in data analysis and basic machine learning. Proficient in using tools such as Excel and Tableau, with a strong foundation in computer vision concepts and their implementation. Completed several relevant courses and actively participated in competitions focused on data analysis and machine learning. Known for being detail-oriented, punctual, and having strong problem-solving skills in IT-related challenges. Currently seeking opportunities to grow and contribute by applying data analysis, machine learning, and computer vision expertise in a real-world applications.

EDUCATION

STATE UNIVERSITY OF MALANG

Bachelor of Engineering

Major in Informatics Engineering / Computer Science

Cumulative GPA: 3.93/4.0

Relevant Coursework: Machine Learning, Data Science, Computer Vision, Database & Information Systems

Malang, Indonesia

Graduated 2025

COMPETITION

SATU DATA INFOGRAPHICS (PARTICIPATED)

November 2023

- Coordinating as a team leader
- Implementing data understanding on the given problem
- Discovering insights from the problem, visualizing them using Tableau tool and present it into infographics

INDONESIA INVESTORS DAY IN BALI (BRONZE AWARD/3RD PLACE)

August 2024

- Ideated the concept for a health-related mobile application, which became the foundation of the project.
- Served as Machine Learning Engineer, developing core ML functionalities.
- Assisted the mobile development team as a secondary role.
- Collaborated effectively within a multidisciplinary team to deliver an award-winning solution.

EXPERIENCE

MACHINE LEARNING COHORT AT BANGKIT

February - June 2024

- Completed courses on Machine Learning delivered through Coursera and Dicoding platforms.
- Collaborated in a multidisciplinary capstone team to develop a mobile application addressing health-related issues.

WEB AND DATA VISUALIZATION AT DISHUB (INTERNSHIP)

July - August 2024

- Developed a queue management website enabling visitors to monitor live queue status.
- Built an internal web application to assist staff in generating reports more efficiently

PROJECTS

UNIVERSITY SDG RANKINGS WEBSITE

November 2022

- Improved and updated SDG website to look better and have better performance using WordPress

FINDPARK WEBSITE

May 2023

- As a front-end engineer, ensuring a responsive and seamless user experience across various devices and screen sizes.
- Obtaining parking location coordinates based on latitude and longitude using the Google Maps API.

ROGUE OF LOGIC GAME

December 2023

- Implement high-quality and immersive sound effects that enhance the gaming experience
- Using programming languages and tools to code the UI based on the design specifications

FITFOOD MOBILE APPLICATION

August 2024

- Worked as Machine Learning Engineer, collected and prepared datasets and developed a model to detect and classify food items.
- Assisted the mobile development team in building the application frontend and integrating the ML model.

BISINDO SIGN LANGUAGE DETECTION USING YOLO (THESIS)

August 2024 – June 2025

- Built an instance segmentation model using YOLOv8 to detect BISINDO alphabet gestures
- Conducted data preparation through collection, annotation, cleaning, and augmentation using Roboflow.
- Evaluated and compared model performance across different data split scenarios.

CERTIFICATIONS AND TRAINING

- Bangkit Academy 2024 led by Google, Tokopedia, Gojek, & Traveloka
- DeepLearning.AI TensorFlow Developer Specialization
- TensorFlow: Advanced Techniques
- TensorFlow: Data and Deployment
- Generative AI for Everyone
- Machine Learning Specialization
- Learn Data Analysis with Python (Dicoding)
- Additional certifications focused on foundational programming, Python, Git, data visualization, and mathematics for machine learning, including courses from Dicoding, Coursera (Google & IBM), and other platforms.

PUBLICATION

Muhammad, B. Z., & Rosyid, H. A. (2022). Peran dan Tantangan Kecerdasan Buatan dalam Mengembangkan Smart Stadium menuju Era Society 5.0. Jurnal Inovasi Teknik dan Edukasi Teknologi, 2(10), 452-456. DOI:10.17977/um068v1i102022p452-456

SKILLS

Languages : Fluent in Indonesian (Native) ; Good understanding of English in listening and reading

Tools : Microsoft Excel, Microsoft Word, Microsoft Power Point, Microsoft SQL Server, VSCode, Tableau, Canva

Others : Python, SQL, Data Analysis (cleaning, EDA, descriptive statistics), Data Visualization, Machine Learning & Computer Vision, IT support (hardware/software troubleshooting), Typing Speed: ± 110 WPM (High Accuracy)