



OKTAVIAN NIKKY ABPRIANTO

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As a fourth-year Informatics major at Mercu Buana University, I'm passionate about machine learning and data science. Proficient in Python, PHP, HTML, SQL, and CSS, I'm dedicated to expanding my skill set. With a keen interest in data science, I aspire to contribute meaningfully to the field and am poised to embark on a rewarding career in this dynamic domain

Education Level

Universitas Mercu Buana - West Jakarta

Aug 2020 - Aug 2024 (Expected)

Bachelor Degree in Informatics, 3.94/4.00

- A full scholarship awardee for ASEAN students - pursuing the bachelor of computer science, with a concentration in data science
- Activity and society: Japanese club (2021-2023)
- Participated in the GEMASTIK 2022 competition organized by KEMENDIKBUD
- Participated in Bangkit 2023 Batch 2 on Machine Learning Path

SMKN 1 Sambas - Sambas, West Borneo

Jul 2017 - May 2020

High School Diploma in Majoring in Computer and Network Engineering, 89.00/100.00

- Participated in english speech competition twice.

Projects

Batik Pattern Recognition - Jakarta

Jan 2024 - Present

Implemented a project focused on pattern recognition of West Java batik using Convolutional Neural Networks (CNN). This endeavor involved leveraging deep learning techniques to develop a robust and accurate model capable of identifying and classifying intricate batik patterns unique to the West Java region.

- Gathered data more than 1000 images for 7 classes from various online resources.
- Developed and trained a machine learning model capable of precise scanning and pattern recognition.
- Demonstrated the practical application of advanced image recognition techniques in diverse datasets, showcasing the model's accuracy in recognizing complex patterns.

FitFans - Jakarta

Oct 2023 - Dec 2023

Bangkit Machine Learning Path

FitFans emerges as a transformative solution in the fitness landscape by leveraging advanced image recognition technology. It addresses the challenges individuals face in navigating gym equipment, providing real-time guidance on proper usage and technique through a user-friendly smartphone application.

- Collected more than 1500 pictures from the internet, covering 10 different classes, to build a diverse dataset for the machine learning model
- Designed and trained a machine learning model with the TensorFlow library using Visual Studio Code, attaining a remarkable scanning accuracy of above 98% and a validation accuracy surpassing 87%.

Titanic Survivor Prediction - Jakarta

Jun 2023 - Jul 2023

Developed a predictive model for identifying Titanic survivors utilizing machine learning techniques. This project involved analyzing historical data, identifying key factors influencing survival, and implementing predictive algorithms to accurately forecast outcomes. The goal was to contribute insights into passenger survival patterns on the Titanic, showcasing the application of machine learning in real-world scenarios.

- Designed and trained a machine learning model to accurately predict the likelihood of survival for Titanic passengers

Organisational Experience

Bangkit Academy - Jakarta, Indonesia

Aug 2023 - Jan 2024

Machine Learning Path

Bangkit was established with the goal of providing participants with the necessary skills to succeed in the workforce, especially considering the current technological advancements. Through this program, Bangkit guides participants by imparting essential technical skills. The Bangkit curriculum offers three interdisciplinary study tracks: Machine Learning, Mobile Development, and Cloud Computing.

- Learn skills related to Machine Learning, including hands-on learning experiences with various tools such as TensorFlow, GitHub, and Google Colab
- Develop soft skills such as Time Management, Critical Thinking, Adaptability, Problem Solving, and etc.
- Collaborated closely with a team of 6 members to successfully complete a capstone project.

Head of Public Relation Division

UMB Japan Club is a campus organization dedicated to teaching members about the Japanese language, Japanese culture, and Japanese calligraphy.

- Responsible for running a project which must collaborate with other divisions and work directly with the Head of BPH.
- Lead and coordinate with 2 subdivisions, namely the Document & Equipment subdivision and the Creative subdivision.
- Responsible for contacting people who invited as guest(speaker, partner & sponsorship, and related parties).

Skills, Achievements & Other Experience

- **Soft Skills:** Problem Solving, Adaptability, Critical and Analytical Thinking, Leadership, Very Good Communicator, Public Speaking, Time Management, and Able to Work In Team
- **Hard Skills:** Programming Languages: Python, PHP, HTML, CSS, and SQL | Tools: TensorFlow, Google Colab, and Visual Studio Code (IDE) | Microsoft Office 365: Word, Excel, and Power Point