

Muhammad Nadhif Nashrullah

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SUMMARY

Data Science and Machine Learning specialist with a Bachelor's degree in Informatics Engineering and a strong foundation in data-driven decision-making, analytical methods, and AI solutions. As a graduate of the competitive Bangkit Academy—sponsored by Google, Tokopedia, Gojek, and Traveloka—I bring expertise in machine learning, predictive modeling, data analysis, and algorithm development. I've applied these skills to real-world projects, including computer vision, NLP, and deep learning applications, with demonstrated success in collaborative, hands-on environments. Proficient in Python, TensorFlow, and data visualization, and highly skilled in translating complex datasets into actionable insights and developing scalable AI-driven solutions. Eager to contribute a unique blend of technical, analytical, and problem-solving skills to dynamic roles in data science, data analysis, or AI engineering.

EXPERIENCE

Student

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka

February 2023 - July 2023, Remote

- Participating in an intensive machine learning cohort program sponsored by Google, Tokopedia, Gojek, Traveloka, and leading Indonesian universities.
- Gaining expertise in machine learning techniques, algorithms, and applications through a rigorous curriculum and hands-on projects.
- Collaborating with industry professionals and peers to tackle real-world challenges and develop innovative machine learning solutions.
- Enhancing skills in data analysis, predictive modeling, and algorithm development under the guidance of experienced mentors.
- Actively engaged in a culminating project to implement machine learning solutions for real-world problems, leveraging the knowledge and skills acquired throughout the program.
- Participating in workshops, seminars, and networking events to broaden knowledge and build connections within the tech community.

PROJECTS

Fire Forest Monthly Prediction

github.com/dipp-12/fire-forest-monthly-prediction • September 2023 - July 2024

- Utilize research methodology to investigate and address real-world problems.
- Applied advanced analytical and critical thinking to dissect problems and develop solution.
- Ensuring data-driven insight at every stages of the solution.
- Developed and implemented AI-driven solution to solve real-world problems, harnessing neural networks algorithm and predictive models.

ReCyclo

github.com/ReCyclo-Bangkit-2023 • May 2023 - June 2023

- Implement computer vision to solve waste problems.
- Create deep learning models using CNN (Convolution Neural Networks) to classify waste type based on image.
- Create deep learning models using Linear Regression to predict price value for waste based on it's class and condition.
- Deploy deep learning models using TensorFlow.js.

Alat Bantu Teman Tuli dan Teman Dengar menggunakan CNN (Vowels Detection)

github.com/dipp-12/teman-disabilitas • December 2022 - January 2023

- Translates mouth movements and sounds into vowels.
- Extract mouth region from a face image using OpenCV.
- Apply Convolutional Neural Networks to perform robust classification tasks.
- Develop a deep learning model for classifying mouth movement images into vowels.
- Construct a deep learning model for classifying vowel sounds.

Chatbot UBO (Uncal Bogor)

app.smojo.org/nadhif/ubo • November 2022 - December 2022

- Building traditional chatbot (keyword based) for tourism guide in Bogor.
- Implement chatbot using Smojo.Ai platform based on Java Virtual Machine Language.
- Design and implement chatbot on web using HTML and JavaScript.

EDUCATION

Bachelor's degree, Informatics Engineering

Minor in Artificial Intelligence • Telkom University Purwokerto • Indonesia • October 2024 • 3.88 / 4

CERTIFICATIONS

Belajar Analisis Data dengan Python

Dicoding Indonesia • 2023

DeepLearning.AI TensorFlow Developer Specialization

DeepLearning.AI • 2023

TensorFlow: Data and Deployment Specialization

DeepLearning.AI • 2023

Machine Learning Specialization

DeepLearning.AI, Stanford University • 2023

Google IT Automation with Python Specialization

Google • 2023

Mathematics for Machine Learning Specialization

Imperial College London • 2023

INVOLVEMENT

Panitia Ngabuburit Informatics (Ngafirmatics) | Ngabuburit Informatics Committee (Ngafirmatics)

Telkom University Purwokerto • Himpunan Mahasiswa Informatika | Informatics Student Association • February 2023 – April 2023

Panitia Diesnatalis ke-10 Program Studi Teknik Informatika | Committee for the 10th Anniversary of the Informatics Engineering Study Program

Telkom University Purwokerto • Himpunan Mahasiswa Informatika | Informatics Student Association • November 2022 – January 2023

SKILLS

Industry Knowledge: Natural Language Processing (NLP), Data Wrangling, Data Analysis, Data Visualization, Time Management, Project Management, Web Development, Data Analytics, streamlit, Artificial Intelligence (AI), Chatbots, Object Detection, Computer Vision, Convolutional Neural Network, Decision Trees, Artificial Neural Network, Logistic Regression, Recommender Systems, Linear Regression, Configuration Management

Tools & Technologies: Python (Programming Language), HTML, GitHub, TensorFlow, JavaScript, Python Programming

Interpersonal Skills: Teamwork