Michael Ivan Santoso

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Web Portfolio: https://portfolio-michael-ivan.vercel.app/

EDUCATION

BINUS University   Sep 2023 – Now
Student of Computer Science

GPA 3.98 of 4.00

Loyola College Senior High School, Semarang   Jul 2020 – Jun 2023
Natural Science Major

Magna Cumlaude

ACHIEVEMENTS

Presenting Paper at the 10th ICCSCI 2025, Semarang   2025
Successfully Presenting Paper as Author at the 10th ICCSCI 2025

EXPERIENCES

The 10th ICCSCI 2025, Bina Nusantara University   Aug 2025
Participant (Author)

- Researching and writing a paper titled "Extractive Indonesian News Text Summarization using DistilBERT, IndoBERT, MBERT, and RoBERTa."
- Acquiring knowledge in NLP tasks in the field of extractive summarization of the Indonesian language.

Teaching Mathematics at 3rd grade Kebon Dalem 2 Elementary School, Semarang   Jun 2024
Volunteer

- Community service teaching mathematics to 3rd grade elementary school students using PowerPoint and interactive learning.

Teaching Coding at 1st grade YSKI 2 Elementary School, Semarang   Oct 2023
Volunteer

- Community service teaching coding logic to 1st grade elementary school students using PowerPoint and interactive learning.

Altar Server Committee Saint Francis Xavier Catholic Church, Semarang   Feb - Sep 2022
Field Coordinator

- As a Field Coordinator, I am responsible to communicate and coordinate altar servers on duty according to the schedule, find a replacement for anyone who can't serve, step in as a substitute when necessary, and to train altar servers for specific solemn feast day masses.
- Successfully held the 2022 Easter and Reception of the Sacrament of Confirmation.

LANGUAGES AND SKILLS

- Languages: Bahasa Indonesia (Native), English
- Tools: Visual Studio Code, Google Colab, Dev C++, Eclipse, Ms.Word, Ms.PowerPoint, Ms.Teams, Adobe Illustrator, Figma, Canva, Postman, Android Studio
- Programming: C, Python, Java, HTML, CSS, JavaScript, SQL, React (Typescript), Kotlin, Dart
- Passionate in: Machine Learning and Deep Learning

PROJECTS

- Parkinson MobileNet Comparison, spiral and Wave image-based Parkinson's detection experiment using a lightweight deep learning model. Comparing MobileNetV2, custom MobileNetV2, and MobileNetV3-Small to evaluate accuracy, computational efficiency, and potential implementation on mobile/edge devices.

  Link: https://github.com/Dard1ka/parkinson-mobilenet-comparison, https://drive.google.com/drive/folders/1Lw_GlFaKSJvVzCAnZ1VRVMkrDOx8T4jq?usp=sharing

- Extractive Indonesian News Text Summarization using DistilBERT, IndoBERT, MBERT, and RoBERTa, a research paper focusing on extractive summarization of Indonesian news articles, comparing the performance of transformer-based models (DistilBERT, IndoBERT, MBERT, and RoBERTa) in terms of accuracy that calculated using ROUGE metric.

  Link: https://github.com/migz177/ResearchMethod_Summarize, https://drive.google.com/file/d/1pejSYCq1yHDsf9RrVT-pLP9bM157wY5L/view?usp=drivesdk

- Churn Prediction, an Android application that predicts whether a customer will churn (unsubscribe) or not, based on customer data input.

  Link: https://github.com/Dard1ka/ChurnPredictionApp

- NLP Chatbot-BERT, a chatbot using BERT model with intent classification approach with datasets from Kaggle.

  Link: https://github.com/migz177/chatbot-bert

- KostLife, a mobile app for assisting users, especially students in planning and scheduling daily activities and helping to manage personal finances. Using React Native Expo as frontend and NextJS + Prisma as backend.

  Link: https://github.com/JasonEvan/kostlife-frontend, https://github.com/JasonEvan/kostlife-backend, bit.ly/UI_KostLife

- Waste Detector, streamlit app and mobile app using Android Studio to detect and categorize waste images using VGG16 model with dataset from Kaggle for training.

  Link: https://github.com/Mis-291205/AoL-MachineLearning

- Deepfake Detector, streamlit app and mobile app using Android Studio to detect deep-fake images using VGG16 model with dataset from Kaggle for training.

  Link: https://github.com/Mis-291205/AoL-AI_VGG16

- Computer Network, simulation of network circuit design on 3 floors of the building, including: devices used, networking media types, media length used, IP addressing and subnetting, routing, and application layer using Cisco Packet Tracer.

  Link: https://github.com/Mis-291205/AoL-ComputerNetwork

- Data Structure, a C program that implements a slang dictionary called "Boogle" using a Trie (prefix tree) data structure, where users can release new slang words with descriptions, search for specific slang words, view slang words that begin with a certain prefix, and display all slang words stored.

  Link: https://github.com/Mis-291205/AOL_DataStructure

- "CAteriNgz", simple web development that focuses on selling cuisine for catering using HTML, CSS, and JavaScript with a total of 8 website pages and only using JavaScript for calculating amount, total price, and login/register.

  Link: https://github.com/Mis-291205/AoL_HCI

- Algorithm and Programming, a C program that is a menu-driven data management (display, search, sort, and export) system for a CSV file that stores housing information.

  Link: https://github.com/Mis-291205/AOL_AlgorithmAndProgramming

CERTIFICATION

- Author in the 10th International Conference on Computer Science and Computational Intelligence 2025
- Belajar Dasar AI, Dicoding Indonesia 2024
- Belajar Dasar Visualisasi Data, Dicoding Indonesia 2024
- Memulai Pemrograman dengan Python, Dicoding Indonesia 2024