Dennis lim kam ho

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Final-year Computer Science student at Bina Nusantara University and passionate Machine Learning Engineer, dedicated to developing and deploying AI-driven solutions by leveraging data science, machine learning, and software engineering. Highly motivated to learn, adapt, and collaborate in dynamic environments to solve real-world problems.

# EXPERIENCE

## Academic Peer Mentor

### Student Advisory and Support Center BINUS University | South Tangerang, Banten Sep 2022 – Feb 2024

* Guided Computer Science students to achieve better academic results and improve their study motivation as part of the duties upon receiving the Scholarship Mentor from Bina Nusantara University.
* Tutored in programming and AI (ML, NLP, speech recognition, and more), led review sessions and practice tests to strengthen technical skills, and supervised projects and coursework for exam readiness.
* Received training in mentoring and communication through SASC programs to enhance effectiveness in tutoring, conflict management, and knowledge transfer.

## Web Developer Intern

### Sinarmas World Academy | South Tangerang, Banten Feb 2024 - now

* Developed and deployed a Face Recognition System using Python, OpenCV, and Docker on a Django framework, automating student pick up identification to improve security and efficiency.
* Engineered real-time face detection for web application, integrating AI model communication via REST APIs in a containerized model environment.
* Designed and implemented scalable data storage solutions using PostgreSQL and MariaDB, enabling automated ML workflows in containerized environments.
* Applied MLOps best practices for model deployment, monitoring, and performance validation, ensuring reliability through iterative testing on OpenSUSE Linux.
* Researched and implemented Large Language Models (Google Gemma & Mistral Instruct) with Milvus as a vector database, enabling Retrieval-Augmented Generation (RAG) for a school FAQ web application.
* Leveraged Agile methodologies with Scrum and Jira for ML development, while managing CI/CD pipelines and version control using GitHub.

# EDUCATION

## Bachelor of Computer Science

### BINUS University | South Tangerang, Banten Sep 2021 - now

* Current GPA: 3.89/4 | Streaming: Intelligent Systems
* Portfolio: <https://github.com/LuSteps>

## High School Diploma

### Strada Saint Thomas Aquino Senior High School | South Tangerang, Banten Jul 2018 – Jul 2021

* Final grade: 84/100
* Streaming: Natural Science and Mathematics

# publication

## A Comparative Analysis of Machine Learning Techniques for Exploring Country Clustering Based on Life Expectancy

### International Conference on Networking, Electrical Engineering, Computer Science, and Technology (IConNECT)

* Authors: Dennis Lim Kam Ho, Marcellino Bonamutial, Emmanuel Brandon Hamdi, Karli Eka Setiawan, Muhammad Fikri Hasani
* Accepted at: August 16, 2023

# certificates

## ASEAN Data Science Explorers 2024 Enablement Session – SAP Analytics Cloud and SAP Build Apps Online Training Session

### ASEAN Foundation May 2024

* Analyzed sample datasets and developed interactive dashboards using SAP Analytics Cloud, gaining expertise in data visualization and BI tools.
* Developed a simple order management application with a barcode scanner feature using SAP Build Apps.

## RISTEK Datathon 2023

### RISTEK Fakultas Ilmu Komputer Universitas Indonesia Aug 2023

* Data science team competition experience, accomplished 13th position in public leaderboard.
* Forecasting time-series data of vehicle speed challenge on Kaggle platform, using various machine learning models and statistic methods.

## Machine Learning for Beginner Course

### Dicoding Indonesia Aug 2022

* Project: Computer vision using CNN for detecting hand pose at rock paper scissors game.

# Organization & volunteers

## Cyber Security Activist

### Cyber Security Community | BINUS University

* Engaged in Human Resource Division as activist, gaining hands-on experience in organizational communication, teamwork, and leadership within a structured environment.
* Produced and participated in a cybersecurity awareness video campaign, raising awareness on preventing online threats and cyber-attacks.
* Organized and participated in cybersecurity training sessions, collaborating with experts to teach ethical hacking and security techniques using Kali Linux to members of community.