

# OCTA DAMA YANTI

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An Information Systems student with a strong interest in machine learning and technology-driven solutions. Passionate about exploring machine learning techniques, building predictive models, and contributing to developer communities. Constantly seeking opportunities to innovate and apply machine learning to solve real-world problems.

## ORGANIZATIONAL EXPERIENCE

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### English Club

2020 – 2023

- Actively participated in regular club meetings focused on improving English communication skills, such as group discussions and public speaking practice.
- Contributed to creating a supportive learning environment by mentoring junior members in English conversation and writing skills.

## PROJECTS

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### Medication Recommendation System using Supervised and Unsupervised Learning

Nov 2024

- Developed a machine learning model to recommend suitable medication for new patients based on their symptoms and medical history.
- Supervised Learning: Implemented K-Nearest Neighbors (KNN) to classify patients into predefined medication categories based on labeled data.
- Unsupervised Learning: Applied K-Means clustering to group patients with similar profiles, identifying hidden patterns in the dataset.

### Software Engineering – BMI Calculator

Des 2024

- Developed a web-based Body Mass Index (BMI) calculator to help users assess their health based on weight and height inputs.
- Designed an intuitive user interface using HTML, CSS, and JavaScript for seamless user interaction.
- Implemented BMI calculation logic in JavaScript with real-time result updates and health category suggestions (e.g., underweight, normal, overweight).

## EDUCATION

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### Undergraduate Student in Information Systems

2023 – Present

*Sriwijaya University*

- Relevant courses: Artificial Intelligence, Programming Basics, Object Oriented Programming.

### Senior High School – Social Science

2020 – 2023

*SMAN 1 Belitang*

## SKILLS

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|--|------------------------------|
| • Machine Learning: Google Colab, Python       | • Strong Communication       |
| • Data Visualization: Highcharts, Google Colab | • Teamwork and Collaboration |
| • Design: Canva                                | • Problem-Solving            |
| • Programming Languages: Java, C++, Python     |                              |

## ADDITIONAL INFORMATION

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- **Languages:** Bahasa Indonesia, English (basic).
- **Certifications:** Introduction to HTML (Sololearn), Web Development (Sololearn).