

Loadtriani Oktavia S

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[github](#) | [linkedin](#)

Graduated Informatics student with a strong background in data analytics and software development. Experienced in transforming raw data into meaningful insights as well as building software applications that address practical needs. Passionate about leveraging both analytical and technical skills to create innovative solutions that support decision-making and drive efficiency.

EDUCATION

Universitas Sanata Dharma, Yogyakarta

Aug 2021 – Jan 2025

Bachelor of Computer, Faculty of Science and Technology

GPA 3.55

- Relevant Coursework: Data Mining, Business Intelligence, Database Management (SQL), Machine Learning, Data Analysis & Visualization, Software Project Management, Database Design & Concepts, Human & Computer Interaction, Query Languages.

PROJECTS

- **Clustering Student Computational Thinking Abilities** – Applied K-Means & DBSCAN on Bebras Challenge data using **Python (Pandas, scikit-learn)** to group students by computational abilities.
- **Scholarship Applicant Classification** – Built classification models on applicant records with **Python (scikit-learn)** to support scholarship selection decisions.
- **HR Competency Predictive Analysis** – Analyzed HR competency scores using **Orange Data Mining** to identify key factors for interview screening and enhance decision-making.
- **Dayak Maayan Sentiment Analysis (Thesis Research)** – Developed sentiment analysis system for Dayak Maayan text using **Python (NLTK, scikit-learn)**, supporting NLP-based language preservation.
- **Sales Performance Analysis** – Used **Tableau** to analyze KPIs (profit, sales, revenue) for beverage brands and deliver actionable business insights.
- **Campus Facility Reservation System** – Developed a reservation system with **HTML, CSS, JavaScript, and MySQL**, designed workflows (flowcharts, ERD, use case diagrams) and **UI/UX prototype** with **Figma** to improve user experience.

EXPERIENCE

Teaching Assistant - Machine Learning

Feb – Jun 2023

Part-time | Universitas Sanata Dharma

- Assisted students with **Python programming and data analysis**.
- Developed additional materials and practical exercises.
- Led mentoring sessions for over 40 students, providing support in debugging code and optimizing machine learning models.

Member of the Event Division - Learning Informatics

Sept – Oct 2023

- Managed event logistics, scheduling, and participant engagement.
- Developed detailed agendas for competitions and seminars.
- Selected seminar themes and invited distinguished speakers, enhancing the educational value and prestige of the event.

SKILLS

- **Technical Skills** :
 - **Data Analytics** (Python, Tableau, Orange, Excel)
 - **Web Development** (HTML, CSS, JavaScript, MySQL, PHP)
 - **UI/UX Design** (Figma, Canva)
- **Soft Skills** : Time Management, Communication, Strategic Thinking, Problem-solving, Teamwork, Decision Making
- **Languages** : Bahasa Indonesia (Native), English (Limited Working)