

RHENDY JAPELHENDAL SARAGIH SUMBAYAK

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An Information Systems student specializing in machine learning and data analysis. Skilled in using Python, TensorFlow, and SQL to build predictive models and generate data-driven insights. Highly motivated to learn new technologies and eager to contribute to the development of AI-based solutions.

EDUCATION

Undergraduate in Information System, Brawijaya University 2023 – Present

- Current GPA: 3.82/4.00 (119 credits)

Data Science – Dibimbing.id 2025 – 2025

- Final Grade: 96.14 / 100 (A+)

PROJECTS

Precision-Guided Network for People Counting Oct 2025 – Oct 2025

- Implemented P2PNet for accurate crowd counting and localization.
- Achieved MAE = 4.67, improved precision via Hungarian Matching and multi-scale fusion.

Leksara – Python NLP Library Aug 2025 – Oct 2025

- Created an open-source toolkit for Indonesian text preprocessing.
- Automated stopword removal, slang normalization, and punctuation cleaning.

Leukemia Classification Jul 2025 – Aug 2025

- Developed CNN-based leukemia detection using VGG-16, ResNet50, and Inception-v3.
- Achieved 98.47% accuracy via feature fusion and optimized preprocessing.

Clothing Recognition Sep 2024 – Oct 2024

- Built an image classification model using TensorFlow to recognize clothing type and color.
- Achieved 93% accuracy through data augmentation and hyperparameter tuning.

WORKING EXPERIENCES

Data Science Intern – Senesa Global Solusi Nov 2025 – Present

- Accepted as a Data Science Intern, where I contribute to data processing, analysis, and model development to support data-driven decision-making.
- Work with databases, Java, and other tools to support the creation and deployment of predictive models.
- Collaborate with senior data scientists to enhance the organization's data analytics capabilities.

Teaching Assistant, Faculty of Computer Science – Universitas Brawijaya Feb 2024 – Present

- Assisted in three laboratory courses: Basic Programming, SQL Programming, and Database Administration.
- Guided students in understanding programming logic, query optimization, and database management concepts.
- Evaluated assignments and provided feedback to improve students' practical and analytical skills.

ORGANIZATIONAL EXPERIENCES

Head of Competition Division, Artropolis May 2025 – Present

- Led the Competition Division, managing event logistics, technical preparations, and participant coordination.
- Oversaw competition schedules and ensured smooth execution across multiple contest categories.

Data Scientist, Basic Computing Community (BCC) Mar 2025 – Present

- Collaborated with the Talent Development team to enhance members' technical and analytical skills.
- Developed and delivered training materials on data analysis, machine learning, and analytical tools.
- Led the Event Division for the Data Science Mini Bootcamp, managing timelines, structure, and content delivery.
- Served as Lead Data Scientist in the internal project Laplace, developing a Python library for Indonesian text processing.

Research and Development, KRISMA

Mar 2025 – Present

- Conducted research and authored scientific papers focused on data mining.
- Led a research team under the KREATIF program to design and execute analytical studies.
- Served as a PKM proposal reviewer during the PKKMB program, providing evaluations and feedback.

Commission of Development, PMK Daniel

Jan 2025 – Present

- Served within the Commission of Development, organizing spiritual and community activities.
- Acted as Chief Executive of the Easter Celebration, leading coordination and execution of event activities.
- Served as Creative Committee (DDM) for event design and documentation.
- Documented and covered Camp Daniel activities through photography and videography.

Student Quality Control (SQC), OSPEK – Information Systems Department

Sep 2024 – Nov 2024

- Designed and assessed freshmen assignments for the orientation program.
- Collaborated with fellow committees to ensure smooth and effective event execution.

HONORS & AWARDS

- 12th Place, Data Slayer 3.0 – Telkom University Nov 2025
Secured 12th place in the Data Slayer 3.0 competition, where machine learning models were applied to complex image, time series, and video data, demonstrating strong analytical and predictive skills.
- Finalist, Hology 8.0 – Brawijaya University Oct 2025
Reached the Top 8 finalists in the Data Mining category of Hology 8.0 competition.
- Top 20 Finalist, Compfest Academy – University of Indonesia Jun 2024
Part of a team that successfully ranked among the Top 20 out of 180 teams in Indonesia's largest technology academy, Compfest Academy.
- 12th Place, Hology 7.0 – Brawijaya University Oct 2024
Achieved 12th place out of 91 teams in the national Data Mining competition Hology 7.0.

SKILLS**Language:** Bahasa Indonesia (Fluent), English (Intermediate)**Software:** Java (Intermediate), Python (Advanced), TensorFlow (Intermediate), Scikit-learn (Intermediate), SQL (Advanced), PHP (Intermediate), HTML/CSS/JavaScript (Intermediate), Tableau (Intermediate), Excel (Intermediate), MySQL & MariaDB (Advanced), Laravel (Intermediate), DB2 (Intermediate)

COURSE/CERTIFICATIONS

- Data Science Bootcamp, Dibimbing.id Oct 2025
Certificate ID: 201029DS33A101137
- Artificial Intelligence Fundamentals, IBM SkillsBuild Dec 2024
Certificate ID: 2636dd26-7a8b-415d-8417-fe74afe4f3cc