Fernando Gunawan

CONTACT

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SUMMARY

Computer Science student specializing in Intelligent Systems with a strong GPA of 3.98/4.00. Experienced as a Software Laboratory Assistant and Academic Mentor, guiding over 100 students in programming, web development, and database systems. Skilled in Python, SQL, Java, and React, with practical experience in machine learning using Pandas, NumPy, Scikit-Learn, and Matplotlib. Passionate about pursuing a career in machine learning and data science, focusing on building intelligent and scalable solutions.

EXPERIENCE

Software Laboratory Assistant | Aug 2025 – Present
Lab Instructor

- Guided and supported over 100+ students in lab courses such as Object-Oriented Programming (Java), Web Development, and Data Warehouse (SQL), making complex concepts easier to understand.
- Collaborated in a 2 person team to deliver lab sessions, answer questions, and help students apply theory in practice.
- Created case studies and exercises that were later used as part of lab exams and class assessments.
- Reviewed and graded student projects, assignments, and quizzes, providing fair evaluation and constructive feedback.
- Joined regular training sessions to continuously improve both technical and teaching skills.

Computer Science Academic Mentoring | Sep 2025 – Present
Peer Mentor

- Worked with students in one-on-one mentoring sessions, especially those repeating courses or struggling with low grades.
- Helped them review key concepts and break down difficult topics in learning.
- Created simple practice exercises to match each student's needs, making study sessions more effective.
- Received a scholarship covering 16 academic credits as recognition for mentoring contributions.

ORGANIZATION EXPERIENCES

UREEKA | Feb 2025 – Present
Member

- Worked with a team to build web applications, often combining them with AI features to create smarter solutions.
- Took part in brainstorming and coding, learning how to turn ideas into real working websites.
- Collaborated closely with other members, improving teamwork and problem-solving skills along the way.

EDUCATION

BINUS University | 2023 – Present

Computer Science

- GPA: 3.98 / 4.00.
- Currently Specializing in Intelligent Systems Streaming.
- Co-authored a research paper accepted at the GECOST International Conference 2025, presenting work on Comparative Analysis of Machine Learning Models for Estimating Li-ion Batteries State of Health.
- Relevant course: Machine Learning, Deep Learning, Computer Vision, NLP, Basic Statistic, Linear Algebra, AI.

CERTIFICATES

- Belajar Dasar Data Science **| Dicoding |** [CERTIFICATE](#)
- Code Generation and Optimization Using IBM Granite **| IBM |** [CERTIFICATE](#)
- Build a Data Warehouse with BigQuery Skill Badge **| Goggle Cloud |** [CERTIFICATE](#)
- Prepare Data for ML APIs on Google Cloud Skill Badge **| Goggle Cloud |** [CERTIFICATE](#)

SKILL

- **Language**: Python, SQL, Java, React
- **Frameworks**: Pandas, Numpy, Scikit-Learn, Matplotlib
- **Platforms**: Visual Studio Code, Goggle Collab , Visual Studio 2022, Eclipse, SSMS
- **Soft Skills:** Communication, Technical