Sahrul Ridho Firdaus

Bandung , Indonesia | sahrulridho@student.telkomuniversity.ac.id | https://hiraeth12.github.io/portfolio/

Computer Engineering student at Telkom University specializing in web development and artificial intelligence. Passionate about creating innovative, scalable solutions that address real-world challenges and contribute to the advancement of technology.

EXPERIENCE

LABORATORY ASSISTANT • SEA LABORATORY

June 2024 - June 2025 | Bandung, Indonesia

- Developed tanimaju.online, an informational website for Desa Sukamaju, managing front-end, back-end implementation and team coordination.

- Taught C programming and supported software engineering labs, including student assistance and lab equipment management.

RESEARCH COORDINATOR • I-SMILE LABORATORY

June 2025 - June 2026 | Bandung, Indonesia

- Coordinated AI and ML research at the I-Smile Lab, collaborating with lecturers and students on research topics, guiding publications, and advancing AI in education and scientific communities.

- Part-time teaching assistant for practical sessions, instructing students on Artificial Intelligence concepts

MACHINE LEARNING INTERN • BRIN RI

June 2025 - August 2025 | Bandung, Indonesia

- Internship at BRIN focusing on atmospheric and environmental data processing using Python, radiosonde data, reanalysis models, and Himawari satellite imagery.

EDUCATION

TELKOM UNIVERSITY

- Bachelor of Engineering in Computer Engineering • September 2022 - 2026 (Expected)

SKILLS

- Project Leadership , Effective Communication , Teamwork & Collaboration
- Programming   : C, Python, JavaScript , Typescript
- Web Development : HTML, CSS, React , Vite.js, Node.js
- Databases   : MySQL, MongoDB
- Machine Learning   : Scikit-Learn, PyTorch, Keras

LANGUAGE

- Indonesia, English