

Alia Jennifer Kim Ritzky

Undergraduate Student

Jakarta, Indonesia | +6281291467346 | aliyajenny14@gmail.com | github.com/koojennie | linkedin.com/in/aliajennifer/

Executive Summary

Passionate and dedicated front-end developer enthusiast with hands-on experience in web development, cloud deployment, and IoT. Skilled in modern front-end technologies and committed to building scalable and maintainable web applications. Strong problem-solving abilities and a collaborative mindset, eager to learn and contribute to dynamic development teams.

Experience

Course Assistant & Instructor | Lembaga Pengembangan Komputerisasi | September 2023 – Present

- Delivered programming instruction with clear explanations to improve student comprehension.
- Assisted students with troubleshooting and debugging coding issues.
- Maintained lab readiness by ensuring system functionality and resolving VM Guacamole issues.

Cloud Computing | Digital Talent Scholarship | August 2024 – November 2024

- Gained foundational knowledge of cloud computing, containerization, networking, and Alibaba Cloud services.
- Deployed a simple e-commerce website on Alibaba Cloud ECS & RDS, ensuring PHP compatibility on Linux.
- Authored technical documentation on cloud deployment and database migration.

IoT & Machine Learning | Samsung Innovation Campus | January 2025 – Present

- Studied IoT fundamentals, including Python programming, Git, MQTT (Pub-Sub), and REST APIs.
- Collaborated Developed IoT applications with MicroPython & Flask, integrating REST APIs and handling sensor data.
- Worked on IoT projects using ESP32 and various sensors (temperature, sound, motion).

Projects

UGCorner | [Github](#)

- Developed a campus social media app using React.js, Tailwind CSS, Node.js, Express.js, and MongoDB.
- Integrated JWT authentication and email verification via Mailtrap.
- Built a "Suggested Users" feature to enhance social interactions.
- Designed a clean and responsive UI with DaisyUI & Tailwind CSS.

Bloom Bliss | [Github](#)

- Developed a full-stack e-commerce website using HTML, CSS, JavaScript, PHP, and MySQL.
- Implemented user authentication, product catalog, shopping cart, and order processing features.
- Designed an admin panel with full CRUD functionality.
- Added invoice generation and sales report exports (Excel & PDF).

ScanShip | [Github](#)

- Built a full-stack expedition app using HTML, CSS, JavaScript, PHP, and MySQL.
- Implemented a RESTful API to fetch and display real-time package tracking data.
- Generated a unique tracking number with a barcode for each package.
- Integrated camera functionality for couriers to update package status accurately.

Education

Bachelor of Information System, Universitas Gunadarma (2022 – now)

GPA 3.96

Relevant Coursework: Database System, Algorithms and Programming, Web Programming, Human Computer Interaction

Certificate

- [EFSET English Certificate 67/100 \(C1 Advanced\)](#)
- [Alibaba Cloud Certified Associate](#) (2024)

Technical Skills

- **Front-end:** HTML5, CSS3, JavaScript, React.js, TailwindCSS
- **Back-end:** Node.js, Express.js, PHP, MySQL, MongoDB
- **Cloud Technologies:** Alibaba Cloud, Google Cloud Platform
- **Tools:** Git, Postman, Figma