Irsyan Ramadhan

Fresh Graduate – Computer Engineering

Banda Aceh | +6288214717802 | irsyanramadhan72@gmail.com | Linkedin | Github | irsyan12.github.io

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SUMMARY

A recent Computer Engineering graduate from Syiah Kuala University (GPA 3.67/4.00) with a strong passion and demonstrated experience in mobile and web development. I specialize in using Flutter, and modern web technologies such as React and Node.js. With a passion for building scalable digital solutions, I have also explored deep learning and IoT development through academic and personal projects. I am actively involved in student organizations and technical competitions, and am proficient in Python, Dart, JavaScript, PHP, and TypeScript.

EXPERIENCE

Computer Programming Lab Assistant   **Aug – Dec 2024**

Syiah Kuala University

- Guided more than 30 students in basic and advanced Python practicum sessions.
- Explained programming concepts interactively and provided guidance on problem solving and debugging.
- Assessed and provided feedback on practicum assignments and helped improve students' understanding of programming logic.
- Coordinated with other lecturers and assistants to ensure the smooth running of practicums each week.

Team Leader & Mobile Developer – PKM-KC 2024   **Feb – Dec 2024**

Project Title: "Mobile Application for Classifying the Faces of Children with Autism Using User-Friendly and Efficient MobileNet V2-Based Computer Vision"

- Led a team of 4 people in the 2024 PKM-KC national research grant competition, with the project successfully funded by the Indonesian Ministry of Education.
- Developed a Flutter-based mobile application that classifies the facial features of autistic children using MobileNet V2 based on facial images.
- Focused on creating a user-friendly and efficient application, optimized for performance on mobile devices with limited resources.
- Managed the overall implementation of the project, including task coordination, milestone monitoring, and communication with university advisors and the program.

Web Developer – CMD HIMATEKKOM 2024   **Jul – Sep 2024**

Computer Multi Challenge Day

- Developed a web-based quiz platform for the Computer Olympiad event during CMD 2024, organized by HIMATEKKOM (Computer Engineering Student Association).
- Built the application using React.js for the frontend and Firebase for authentication and data storage.
- Implemented an admin dashboard to manage and view participant scores efficiently.
- Deployed the application by building the React project and hosting it on the university server using Plesk Panel.

Machine Learning Cohort – Bangkit Academy 2023   **Aug 2023 – Jan 2024**

Led by Google, Tokopedia, Gojek, & Traveloka

- Completed the Machine Learning path in the Bangkit Academy, a prestigious Kampus Merdeka program supported by top Indonesian tech companies.
- Gained hands-on experience in machine learning and deep learning, including supervised/unsupervised learning, CNNs, and model deployment.
- Worked on a capstone project involving real-world machine learning implementation using TensorFlow and cloud platforms.
- Collaborated in cross-functional teams with mobile and cloud computing cohorts to deliver an end-to-end solution.

ORGANIZATIONAL EXPERIENCE

Staff of Human Resource Development (PSDM) – HIMATEKKOM   **Jan - Dec 2024**

Syiah Kuala University

- Contributed to the development and coordination of internal programs to enhance member skills and engagement.
- Actively involved in planning, organizing, and evaluating various student development events.

Event Coordinator – National Seminar HIMATEKKOM   **Jan - Dec 2024**

Syiah Kuala University

- Coordinated with speakers and managed logistics for a national seminar with over 200 attendees.
- Managed the event-day schedule and technical setup to ensure a seamless experience for participants.

EDUCATION

Syiah Kuala University   **Jan - Dec 2024**

Bachelor's degree - Computer Engineering (GPA 3.67/4.00)

- Bachelor's Thesis: "Development of a Mobile Application for Facial Classification of Children with Autism Using Computer Vision Based on MobileNetV3"
- Concentration in Multimedia Technology, with a strong interest and specialization in Machine Learning and web and application development.

TECHICAL SKILLS

Languages: Indonesian (Native), English (Intermediate)

Proficient: Dart, Python, JavaScript, TypeScript, HTML5, CSS3

Familiar: PHP, C

Frameworks & Libraries: Flutter, React.js, Node.js, Express.js, Next.js

Tools & Platforms: Firebase, Git, GitHub, VS Code, Figma, Postman