

HAFIZ ARYAN SIREGAR

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Final-year student with knowledge in Web Development and Software Tester. Experienced in PHP Framework, Javascript, SQL, and Google Cloud. Enthusiastic about web development, quality assurance, and cloud engineer.

Education

State Islamic University of Sultan Syarif Kasim Riau – Pekanbaru, Riau

Sep 2021 - Present

Bachelor's degree, Information System, 3.75/4.00

- Related courses: Algorithm and Programming, Management of Database, Data Mining, Data Science, Analysis and Design Information System, Software Engineering, Testing and Implementation of Information System
- Final Project: Development Of Laboratory Management Information System Using Agile Development Method

Experience

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka – Certificate

Aug 2024 – Jan 2025

Cloud Computing

Bangkit is a career preparation program that aims to produce high-caliber digital talent for world-class Indonesian technology companies and startups which is fully supported by Google, GoTo, Traveloka and the Indonesian Ministry of Education and Culture.

- Related courses: Google Cloud Engineer Learning Path, DevOps Engineer, SRE Learning Path, Google Cloud Computing Foundations, Applied Machine Learning for Cloud Engineer, Capstone / Final Project, Soft skill & Career Development.
- Selected as a Cloud Computing Cohort in a prestigious program, gaining expertise in Google Cloud technologies while leading projects across cloud computing, machine learning, and mobile development.

Computer Laboratory of Information System UIN Suska Riau – Pekanbaru, Riau

Oct 2022 – Nov 2023

Laboratory Assistant

- Handled and managed networks to ensure optimal connectivity.
- Responsible for the maintenance and upkeep of hardware.
- Managed the software to ensure it is always up-to-date and functioning properly, including Visual Studio Code, NetBeans, Cisco Packet Tracer, VirtualBox, XAMPP, and others.

Project

Integrated Laboratory Management Information System (ILMIS)

Aug 2024 – Present

Full Stack Developer

ILMIS is a website developed from SITARIS, integrating laboratory websites with single sign on features, creating laboratory scheduling features, and optimizing the website interface.

- Optimized user interface and system performance, resulting in 30% faster page load times.
- Designed and implemented a laboratory scheduling system that reduces scheduling conflicts by up to 90% and improves laboratory utilization efficiency.
- Created a Single Sign-On (SSO) authentication system that reduces login time by 60% for 3 laboratory websites.

Technologies: HTML, CSS, Javascript, PHP, CodeIgniter 4, Laravel, MariaDB, Ajax, jQuery, TCPDF

Dermatological AI System for Your Skin (Daisy) – Github Repository

Oct 2024 – Jan 2025

Project Leader

Daisy is an AI powered dermatological diagnostic system, identifying skin conditions such as tinea versicolor and ringworm.

- led a six-person in this team.
- Designed and implemented backend infrastructure, including secure authentication APIs (login, register, reset-password, logout) using Node.js, deployed on Firebase and Google Cloud Run.
- Collaborated with the machine learning team to train and test models with a high accuracy rate of 74%.
- Implemented a designed application into a functional mobile app with an intuitive user interface.

Technologies: Jupyter Notebook, TensorFlow, Google Cloud Run, Firebase, Docker, Node.js, Figma, Kotlin

Sistem Informasi Inventaris Laboratorium (SITARIS) – View Website

Mar – Nov 2023

Full Stack Developer

Sitaris is an inventory information system developed for detailed inventory recording, quick equipment search, and loan/maintenance tracking.

- Led a three-person in this team for system feasibility study and analysis and design information system.
- Developed this system using CodeIgniter 4, PHP 8, and MariaDB.
- Deployed and hosted the system on UIN Suska Riau's campus server.

Technologies: HTML, CSS, Javascript, PHP, CodeIgniter 4, MariaDB, Ajax, jQuery, TCPDF

Organization

Google Developer Student Clubs – UIN Suska Riau

Oct 2023 – Oct 2024

Developer and Speaker Division

Google Developer Student Club (GDSC) is a student community focused on developing Google technology skills and a platform for students to learn, collaborate and develop innovative projects.

- Developed and coordinated a comprehensive learning curriculum and schedule throughout the program.
- Organized over 5 technical workshops and webinars, held weekly during the semester.
- Focused on delivering practiced learning in Machine Learning, Mobile App Development, Cloud Computing, and Web Development.

HIMA Program Studi Sistem Informasi – Science and Technology, UIN Suska Riau

May 2023 – Jan 2024

Head of Education, Research, and Technology Division

- Optimized team roles to boost productivity and ensure smooth program execution.
- Develop and manage engaging educational social media content to increase online engagement.
- Collaborated with external organizations, such as GDSC UIN Suska Riau, to organize webinars, fostering knowledge sharing and professional networking.

Committee

Forum Ta'aruf Sistem Informasi (FORTASI) – [Documentation](#)

Sep – Oct 2022

Chief Executive

FORTASI is an orientation program that helps new students adapt to university life by connecting them with lecturers, senior students, and alumni.

- Led the planning and execution of the program, coordinating over 50-member committee across five divisions.
- Managed decision-making and team coordination, ensuring smooth execution of all events.
- Succeed in organized the event from start to finish, engaging over 70 new students.

Volunteer

ICT Exchange Programme – UIN Suska Riau x International Islamic University of Malaysia

Nov – Dec 2023

ICT Exchange Programme is a 3-day academic exchange between Indonesian and Malaysian students, featuring a seminar on digitalization, campus tour, sharing sessions, and cultural introduction.

- Acted as a campus representative, introducing key institutional facilities such as classrooms, computer laboratories, and administrative offices at UIN Suska Riau.
- Participated in community development by conducting a seminar on village information system implementation, focusing on digitizing administrative document.
- Organized sharing sessions covering topics related to university life, technology, and career development.

Entrepreneurship Seminar – Collaboration Facultys Related with Entrepreneur Course

Nov – Dec 2022

Entrepreneurship Seminar is a large-scale event held in collaboration with entrepreneurship related faculties.

- Succeed in organized a large-scale Entrepreneurship seminar with more than 400 participants.
- Coordinated logistical arrangements to ensure seamless execution of the seminar.
- Managed resources effectively, ensuring all necessary equipment and materials were available and prepared.

Certification

- **Menjadi Google Cloud Engineer** (Dicoding, Nov 2024) - [View Credentials](#)
- **Belajar Membuat Aplikasi Back-End untuk Pemula dengan Google Cloud** (Dicoding, Nov 2024) - [View Credentials](#)
- **Google Cloud Computing Foundations Certificate** (Google Cloud Skills Boost, Oct 2024) - [View Credentials](#)
- **HTML, JavaScript, & Bootstrap Certification** (Udemy, Oct 2022) - [View Credentials](#)

Technical Skill

- **Programming Languages:** PHP, Javascript, Python
- **Web Technologies:** HTML5, CSS3, Bootstrap 4
- **Frameworks:** Codelgniter 4, Laravel, Node.js
- **Databases:** MySQL
- **Tools:** Microsoft Office, Figma, Visual Studio Code, Astah, Github, Netlify, Postman
- **Cloud Platforms:** Google Cloud

Language, Interest and Others

- **Language:** Indonesia (Native), English (Beginner)
- **Publication:** Comparison of Classification Algorithm Performance for Diabetes Prediction (SINTA 3) - [View Credentials](#)
- **Another skill:** Organizational skills, leadership, adaptability, detail oriented, resilient, analytical thinking, public speaking