HAFIZ ARYAN SIREGAR

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Have skills and experience in web development and software tester. Experienced in php framework, javascript, sql, and google cloud platform. Enthusiastic about web development, quality assurance, and cloud engineer.

Education

State Islamic University of Sultan Syarif Kasim Riau – **Pekanbaru, Riau**   **Sep 2021 – Mar 2025**
Bachelor's of Computer, GPA: 3.86/4.00
- 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

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.
- Led and managed a capstone team called DAISY
- Up to 5 Best Presenters in English ILT Activity Class
- Best Presenter in Peer Review Session

Experience

Computer Laboratory of Information System UIN Suska Riau – **Pekanbaru, Riau**   **Sep 2024 – Mar 2025**
Full Stack Developer
- Developed an information system called ILMIS (Integrated Laboratory Management Information System) for Thesis
- 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.

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)   **Sep 2024 – Mar 2025**
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 and Project Leader

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**
Staff of Developer and Speaker Division

Google Develope 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.

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:** CodeIgniter 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