

RIRIN SAFITRI

WEB DEVELOPER | WEB GIS | MAPPER

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PROFILE

Junior Website and WebGIS Developer with internship experience, involvement in projects, and over two years of self-learning. Skilled in developing full-stack websites using various technologies such as Codeigniter, Laravel, and Next.js. Additionally, I am proficient in database management with MySQL, MongoDB, and Firebase. In the WebGIS field, I have experience creating and developing map-based websites using Leaflet, as well as operating mapping software like ArcGIS and other related software. Enthusiastic to continuously learn and adapt to new technologies, with the ability to work independently or as part of a team.

WORK EXPERIENCE

Invaite.id | June – November 2024

IT Web Developer Intern

- Assisted in slicing website designs into code that could be implemented to create an interactive online invitation website.
- Developed features for sending messages, leaving comments, and confirming attendance, all connected to a real-time database.
- Used technologies such as HTML, CSS, JavaScript, CodeIgniter 3, Firebase, MySQL, and Filezilla in the development project.

Freelancer Web Developer | August 2024

Bullying reporting website

- Used technologies such as HTML, CSS, and JavaScript in website development.
- Added a complaint feature by embedding social media links and Google Forms to facilitate students in reporting bullying incidents.
- Provided information related to bullying complaints to raise awareness among students and school staff.
- Developed the website, which was hosted and ready for use by the school and students.

Freelancer Web Developer | April 2024

Psychotest website

- Helped in developing a psychological test website by converting test questions from paper to website format.
- Added logic for multiple-choice questions according to the required format.
- Focused on the development of the CFIT (Cattell Culture Fair Intelligence Test) question section on the website.
- Used technologies such as PHP Native, CSS, MySQL, and JavaScript in website development

Berkah Sukses Store, Barru | January - December 2024

Retail Assistant and Web Developer

- Responsible for managing product availability, store operations, and cashier duties to ensure smooth sales processes.
- Assisted in the development of a cashier website for the store, which includes login authentication features for cashiers and admins.
- Developed various menus on the website, including dashboard, user management, products, transactions, and reports.
- Used technologies such as Laravel 11, Livewire, and MySQL to build and develop the cashier website, which is still in the development stage.

Faculty of Mathematics and Sciences, Universitas Negeri Makassar, Makassar | 2023 – 2024

Coordinator of the Entrepreneurship Division and Web Developer, FMIPA International Class Students Program for ICP Community

- Managed various activities to enhance English language skills of students in the FMIPA International Class Program at State University of Makassar, with direct supervision from the faculty.
- Implemented programs such as English Day, mentoring, IELTS Prediction Test, international seminars, and other activities to support the students' English language development.
- Organized entrepreneurship programs that provide services and products to help students develop entrepreneurial skills.
- Assisted in the creation and development of the community website using React JS, which is still in the development stage and customized to meet the community's needs.

Geography Department, Universitas Negeri Makassar, Makassar | 2021 - 2022

GIS Teaching Assistant and Geography Lab Assistant

- Assisted the lecturer in the Mapping and GIS course with various tasks, including teaching using educational videos.
- Helped students create map projects as part of the curriculum.
- Participated in mapping training and provided technical support to students during the training.

EDUCATION

Univeristas Negeri Makassar, Makassar | 2019 - 2023

Bachelor of Geography Education

- Teaching, Mapping, Geographic Information System (GIS)

PROJECT

Laravel

- **Berkah Sukses Cashier Website (Store Project)**

Technologies: Laravel 11, Livewire, Sqlite

- Developed a cashier website with features including authentication, homepage, user management (CRUD for cashiers and admins), product management (CRUD), and transaction processing.
- Users can perform transactions, which include invoice details, items, total cost, payment, and change.
- Provided printable sales reports that are automatically recorded.
- The website is still in the development stage and requires further improvements for its features.

- **Crud Application wih Laravel (Personal Project)**

Technologies : Laravel 11, MySQL

- Built a CRUD application for student data using Laravel 11 and MySQL.
- Added authentication features (registration, login) with middleware to restrict access to authenticated users only.

PHP Native

- **CRUD Application (Personal Project)**

Technologies : PHP Native, MySQL.

- Created a CRUD application for managing student data (add, edit, delete).
- Used PHP Native and MySQL for managing student data (ID, first name, last name, age).

- **Psycotest Website (Freelance Project)**

Technologies : PHP Native, MySQL.

- Converted question data from paper into code.
- Developed the user interface using HTML, CSS, and MySQL to display CFIT questions with four categories.

Codeigniter

- **Wedding Invitation Websites for Rizky & Putut, Donny & Sri, and Adzka & Andina (Internship Project)**
Technologies Codeigniter 3, Filezilla, MySQL
 - Developed wedding invitation websites with a responsive design according to client requests.
 - Performed design slicing into code and added motion effects for an attractive display, as well as a wedding countdown.
 - Provided an RSVP feature to allow visitors to send messages or confirm attendance in real-time.
- **Guestbook Application (Personal Project)**
Technologies Codeigniter 4, MySQL
 - Developed a CRUD application for managing guest data.
 - Designed the MySQL database with tables: ID, visit date, name, address, phone, and purpose.
 - Used Codeigniter 4 for the MVC structure and creating data input forms.
- **WebGIS Website (Personal Project)**
Technologies Codeigniter 4, Leaflet JS
 - Developed a WebGIS to display an interactive map of the Parepare area with features such as View Map, Base Map, Marker, Circle, Polyline, Polygon, and GeoJSON.
 - The backend uses Codeigniter 4 and MySQL for data management.
 - This project is intended as a learning project for WebGIS.
- **WebGIS for Parepare Health Centers (Personal Project)**
Technologies Codeigniter 4, MySQL, Leaflet JS.
 - Developed a website to display the distribution of health centers in Parepare using an interactive map with Leaflet.
 - Provided CRUD features for managing health center data, allowing the addition of data and displaying location points on the map.
 - The project is still in the development stage.

Next JS dan React JS

- **CRUD Website (Personal Project)**
Technologies : Next Js, Tailwind, MongoDB, React, React Icons
 - Created a simple CRUD application using Next.js connected to a MongoDB database.
- **Blog Website (Personal Project)**
Teknologi: Next Js, Axios, MongoDB, React js, React Toastify, Tailwind CSS
 - Developed a blog website with full-stack CRUD features for managing blogs using Next.js.
 - Users can view all published blogs, while the admin can add new blogs, view a list of published blogs, and see subscriptions submitted by users.
 - The website is still in the development stage, and authentication is not yet implemented.
- **FMIPA International Student Community Website (Community Project)**
Technologies React JS, Tailwind CSS, React Hooks, Web3 Form, Vercel
 - Developed a responsive community website with pages such as Home, Programs, About Us, Campus, Testimonials, and Contact Us.
 - The "Contact Us" feature allows users to send messages that are forwarded to the admin's address.
 - Used React JS, Tailwind CSS, and Web3 Form for form management and responsive design.
- **Geography Quiz Website (Personal Project)**
Technologies React JS, Tailwind, React Hooks
 - Developed a geography quiz website with questions stored in a JSON file.
 - Provided a start button to begin the game and navigation features for questions (next, previous).
 - Displayed 5 questions with 4 answer choices, and a finish button to show the final score.
 - A review feature is available to check the answers that were selected.

- **Real Estate Website (Personal Project)**

Technologies React JS, React Hooks, Tailwind, React Toastify

- Developed a real estate website displaying house sales information with pages including Home, About, Completed Projects (scrolling), Customer Testimonials, Contact Us, and Footer.
- The "Contact Us" feature allows users to send messages directly to the admin's email.

- **Netflix Clone Website (Personal Project)**

Technologies React JS, CSS Native, Firebase Database, React Hooks, React Toastify, TMDb API

- Developed a Netflix clone for movie search using the TMDb API.
- Provided login and registration features with Firebase authentication to store user data.
- Users can select movies based on categories such as Blockbuster Movies, Only on Netflix, Upcoming, and Top Picks for You.

- **Weather Website (Personal Project)**

Technologies React JS, React Hooks, Tailwind, Open Weather Map API

- Developed a weather website using data from the Open Weather Map API by fetching data through useEffect.
- Provided a location search feature that displays weather information such as temperature, precipitation, rainfall, humidity, and wind speed.

- **Blog Website (Personal Project)**

Technologies React JS, React Hooks, React Router DOM, React Redux.

- Developed a blog website with full-stack CRUD features for blog management.
- Provided features such as All Posts, Add New, and Preview to view blogs with statuses like published, draft, and trashed.
- Users can add new blogs and preview published blogs.
- The website is still in the development stage.

Node JS and Express Js

- **Fullstack CRUD Application (Personal Project)**

Technologies Node JS, Express, React JS and MySQL

- Developed a fullstack CRUD application to manage user data (id, name, email, gender) with the frontend using React.js and the backend using Node.js and Express.js.
- Used MySQL as the database to store and manipulate user data.
- Created a RESTful API for efficient add, edit, and delete operations on data.

HTML, CSS, Java Script

- **Bullying Complaint Website (Freelance Project)**

Technologies HTML, CSS, JavaScript

- Developed a website with a Complaint feature linked to Google Forms and a Contact feature connecting users to the admin via WhatsApp.
- Provided educational information about bullying to raise user awareness.
- Built a responsive and user-friendly interface using HTML, CSS, and JavaScript.

- **Portfolio Website (Personal Project)**

Technologies HTML, CSS, JavaScript

- Created a simple portfolio website with pages for Home, Skills, Portfolio, Experience, and Contact. It includes hover effects on cards for more engaging interactivity.

Mapping and Geographic Information System (GIS)

Technologies: ArcGIS, ArcGIS Pro, Google Earth Pro, Landsat Satellite, Seadas, Sas Planet Satellite, Metashape, Faststone Photo Resizer for Drone Photos, and Arcpy (Python for ArcGIS).

Pemetaan Menggunakan Teknologi drone Fakultas Agrokompleks Kota Makassar Provinsi Sulawesi Selatan yang menghasilkan output yaitu Peta Kawasan Terbangun dan Tidak Terbangun, Peta Indikatif Kesesuaian Ruang, dan Peta Indikatif Keterlanjutan Ruang Tahun 2020.

- Mapping Using Drone Technology: Faculty of Agrocomplex, Makassar City, South Sulawesi Province, resulting in outputs including Built and Unbuilt Area Maps, Indicative Spatial Suitability Map, and Indicative Spatial Sustainability Map for the year 2020.
- Drone Mapping of MAN 1 Makassar City in 2021 as part of community service, resulting in an Orthophoto map.
- Mapping Using Shapefile (SHP) Data related to land resource utilization in Bojo Baru Village, Barru District.
- Land Use Mapping in Manggala District, Makassar City, from 2017 to 2022.
- Seismicity Mapping of East Nusa Tenggara Province and Surroundings for the period of December 1, 2021, to December 20, 2021, producing earthquake records.
- Mapping Economic Infrastructure and Recreation & Entertainment Facilities in Makassar City.
- Road Network Mapping in Rappocini District, Makassar City.
- Public Awareness Mapping for Environmental Care in the Tongke-Tongke Mangrove Conservation Area, Sinjai District, along with a map of government agency distribution in the area.
- Research Location Mapping in several villages and districts across South Sulawesi, including Sinyonyoi Village (Mamuju), Poreang Village (North Luwu), Pinrang District, Galesong Utara District (Takalar), Polewali Mandar, Dante Pine Tourist Site (Enrekang), MAN 1 Sinjai, Maharayya Village (Selayar), and others.
- Mapping and Catalog Creation for Parangbaddo Village, including maps such as Road Network Map, Administrative Map, Geological Map, Infrastructure Map, Slope Map, Built and Unbuilt Land Map, Land Use Map, Groundwater Potential Map, and Soil Type Map.
- Mapping of Infrastructure and Teaching Assistance Location at SMA Negeri 6 Takalar.
- Population Density Mapping of Parepare City.
- Administrative Maps for Bacukiki Barat District, Parepare City, Yogyakarta Special Region, Bantilang Village (Luwu Timur), Bulukumba District, North Toraja, Je'nemadinging Village (Gowa), and others.
- Tourism Object Mapping in Polewali Mandar District, resulting in various maps including River Tourism Object Distribution Map, River Tourism Accessibility Map, River Tourism Amenities Map, River Tourism Attractions Map, and River Tourism Object Distribution Map in Binuang District.
- Land Type Mapping of Malimpung Village (Pinrang).
- Final Disposal Site (TPA) Mapping in Pabentangang Village (Gowa).
- Mapping of Tourism Infrastructure at Bulu Lanceng Tourist Site, Sinjai District.
- Mapping of Small Vendor Distribution in Marioriawa District, Soppeng.
- Mapping of Indigenous Communities in South Sulawesi Province.
- Fishing Zone Mapping for Tuna in Barru Waters from 2019 to 2021.

SERTIFICATE

- Participants of the Basic Figma Class on the Digital Course platform in 2023.
- Participants of the Basic WordPress Class on the Digital Course platform in 2023.
- Participants of the Basic Level Drone Mapping Training held on June 24-25, 2020, organized by the Papua Mapping Center and Indonesia Mapping Community.
- Participants of the Advanced Level Drone Mapping Training held on July 02-07, 2020, organized by the Papua Mapping Center and Indonesia Mapping Community.
- Participants of the Advanced Level II Drone Mapping Training held from July 22 to August 01, 2020, organized by the Papua Mapping Center and Indonesia Mapping Community.
- Participants of LANDFORM (Online Training Drone for Mapping): Strategies for Utilizing UAVs (Drones) as a Tool for Cartographic Mapping, organized by the Student Executive Board of the Faculty of Geography, Muhammadiyah University of Surakarta, in Surakarta on August 20-25, 2020.

OTHER SKILLS

- Participant in the ASEAN Geospatial Challenge 2023, representing Makassar State University, held by the Singapore Land Authority, the Geospatial Information Agency (BIG), and the National Mapping and Resource Information Authority of the Philippines.
- 1st Place Winner in the National Video Speech Competition at the International Relations Competition held on January 7, 2023, at the University of Darussalam Gontor Female Campus, Ngawi, East Java, Indonesia.
- 1st Best Graduate from the Faculty of Mathematics and Science, Universitas Negeri Makassar, for the August 2023 graduation period. Best Graduate for the August graduation period with a GPA of 3.9 and a study period of 3 years and 10 months.
- 2nd Place Winner in the Vlog Competition category at the National English Fair 2021, organized by the English Student Association of STKIP PGRI Trenggalek.
- 3rd Place Winner in the Space Storytelling Competition with the theme “Inspirational Story” at the National English Fair 2021, organized by the English Student Association of STKIP PGRI Trenggalek.
- Presenter at the International Conference on Geoscience, Environment, and Education (ICGEE 2022).