

Rashmi Guruge

Software Engineer | Frontend Developer | Web Developer

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 GitHub

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Portfolio: RashmiGuruge.dev

Passionate and results-driven Software Engineer with over 3 years of experience developing high-performance, scalable web applications. Specialized in web application development with a strong focus on creating interactive, user-centric experiences, optimizing performance, and implementing advanced features and animations. A proactive and collaborative professional with strong analytical skills, adept at solving complex challenges and committed to continuous learning and delivering future-ready solutions.

TECHNICAL SKILLS

Python | Java | HTML5 | CSS3 | JavaScript | jQuery | PHP | React.js | Next.js

Bootstrap 5 | Tailwind CSS | Swiper.js | GSAP | Morph | AOS | Blobz | Responsive Design

MySQL | Firebase | cPanel | Git | GitHub | XAMPP | CI/CD Pipelines | Docker

WordPress (Custom Themes & Plugins) | ACF Pro | Custom CMS Development

Chrome DevTools | Google Lighthouse | Website Performance Optimization

Unit Testing | Cross-Browser Compatibility Testing | Bug Tracking & Debugging

Flask | Machine Learning | XAI | Computer Vision | Data Science & Model Evaluation

PROFESSIONAL EXPERIENCE

Associate Software Engineer

July 2023 - Present

WAD International PVT ltd, Colombo, Sri Lanka.

- Implemented and maintained custom WordPress themes, custom plugins, CMS features, and e-commerce solutions, including payment gateway integrations (Stripe, WooCommerce)
- Built interactive, dynamic UI features and animations using React, GSAP, and Morph to enhance user engagement.
- Managed end-to-end website lifecycles, including deployment, domain/DNS configurations
- Improved site load speed, reduced frontend bugs, and ensured robust application performance through rigorous testing, code optimization, and real-time issue resolution
- Applied SEO best practices, accessibility standards, and cross-browser optimization to enhance website visibility, usability, and compliance
- Utilized SQL and database management skills to optimize queries and maintain data integrity
- Integrated REST APIs, third-party services, and analytics tools to extend website functionality and monitor performance
- Conducted knowledge-sharing sessions and mentored new team members to strengthen team capabilities
- Followed Git version control workflows and Agile development practices to maintain high-quality, maintainable code
- Collaborated closely with clients, ensuring timely delivery and quality results.

Software Engineer Internship

July 2022 - July 2023

WAD International PVT ltd, Colombo, Sri Lanka.

- Worked on web-based applications using PHP and WordPress and developing custom themes
- Developed interactive and dynamic UI features using React and modern JavaScript (ES6+)
- Handled bug fixes, feature enhancements, and support tasks across multiple components
- SQL to manage, query, and optimize databases for improved application performance
- Applied SEO best practices to improve website performance, accessibility, and search visibility
- Performed functional, regression, and cross-browser testing to ensure application stability and quality
- Assisted in identifying, reporting, and verifying bug fixes using structured test cases
- Created and maintained technical documentation, including feature descriptions, testing notes, and user guidelines

EDUCATION

BEng (Hons) Software Engineering - Upper Second Class with Honors Informatics Institute of Technology (Affiliated with University of Westminster, UK)	Sep 2020 - Nov 2024
Foundation Certificate in Higher Education - Passed with Merit Informatics Institute of Technology, Colombo, Sri Lanka.	Sep 2019 - Sep 2020
G.C.E Ordinary Level Mahinda Rajapaksha College, Homagama	2013 - 2019

PERSONAL PROJECTS

EyeGuardian - Classification of Glaucoma Stage Diagnosis through CNN - XGBoost Fusion with Explainable AI

(Final Year Individual Project | 2024)

- Designed and implemented EyeGuardian, a web application that early detection and diagnosis of glaucoma stage with explainable AI using fundus images.
- Technologies used - Python, SHAP, LIME, HTML, CSS, JS, Bootstrap, Flask, Firebase

Genius Tier - AI Password Generating Solution

(Second Year Group Project)

- Design and Developed a mobile app that generates and recommends user-friendly passwords based on specific software requirements provided by the user.
- Technologies used - Python, Flutter, Machine Learning, AWS, Firebase

Formula 1 Racing Car Championship Manager

- A program which can be used by a championship manager to add or relegate cars and get a summary of the races.
- Technologies used: Java, Java Swing

School Pick

- Conceptualised a mobile app designed to support parents and drivers in making the school van system more organized and efficient.

EXTRA CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Third Place – “IIT Cutting Edge” School Pick Project, 2020, recognized for innovation.
- Participant – “Coderally 3.0” Online Hackathon, 2021 | Organized by IIT IEEE
- Participant – “IET Hack” Online Hackathon, 2021 | Organized by IIT IET
- Participant – “Esthétique'21” UI/UX Hackathon, 2021 | Organized by FOSS Community, NSBM Green University
- Participant – “Technical Interview 1.0”, Oct 2021 | Organized by IET on Campus, University of Ruhuna
- IT team member of Rotaract Club of IIT | Sep 2021 – Oct 2022
- Volunteer | Foss Community of IIT | Nov 2021 – Dec 2021

REFERENCES

Gratia Gamage
Technical consultant at Bitzify
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