NIMESHA MADURANGI

SOFTWARE ENGINEER

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GitHub - Nimesha │ Portfolio - Nimesha │ Linkedin - Nimesha

SUMMARY

Enthusiastic Software Developer with 1+ years of experience in building responsive and user-focused web applications. Skilled in PHP, JavaScript, React, HTML, and CSS, with a solid understanding of basic backend logic, API integration, and UI/UX principles. Passionate about writing clean, efficient code and creating simple, user-friendly interfaces that support both user needs and business goals.

PROFESSIONAL EXPERIENCE

Trainee Software Engineer, Phenom Corporation PVT Ltd (Feb 2025 - OCT 2025)

- Developed a cross-platform performance monitoring app for Hypex Technologies using React.js, Redux, and SCSS.
- Implemented time tracking, dashboards, and automated payroll modules integrated with RESTful APIs.
- Improved app load time by 25% through optimized component rendering and state management.

Intern Software Engineer, Development Lotteries Board (Aug 2024 - Jan 2025)

- Built a secure daily draw video-sharing web platform (PHP / Laravel + React) for SLRC–DLB, enhancing content delivery and reducing manual sharing time by 40%.
- Automated newspaper advertisement reports with dynamic data visualization, improving reporting speed and accuracy.

EDUCATION

BSc (Hons) in Information Technology Specialization in Information Technology
Sri Lanka Institute of Information Technology (Jun 2021 – Jun 2025)

TECHNOLOGIES

Frontend : React.js, Redux, Context API, JavaScript, HTML5, CSS3, SCSS, Tailwind CSS

Backend : PHP (Laravel, CodeIgniter), Java (Spring Boot), Node.js, RESTful APIs, Microservices

Database : My SQL, Oracle, MongoDB

DevOps / Cloud : Docker, AWS, Azure, CI/CD, Git & GitHub

Testing Tools : JUnit, Selenium, Jest, Pest

Methodologies : Agile, Scrum

Other : Basic SEO, UI/UX design (Figma), API Integration, Using AI tools for enhance productivity, AI/ML for model training (beginner), Microsoft Power App

PROJECTS

Class Monitor Web Application (Nov 2025 - Present)

- Built a classroom management system with student registration, attendance, and parent notifications.
- Added mobile QR scan/image capture to capture student admission details and auto-fill information.
- Implemented role-based access and attendance analytics dashboards.
- Integrated a payment gateway to handle admission fees and other school payments securely.
- Developed using React.js and Spring Boot for secure, efficient performance.

Smart Agriculture Mobile App – Final Year Project (Apr 2024 – Jun 2025)

- Built a smart tomato cultivation app integrating IoT, CNN, and LSTM for disease detection and fertilizer automation.
- Used React Native and Python ML models, improving disease prediction accuracy by 92%.

Web Site : https://tomato-guard.netlify.app/

E Commerce Product Dashboard

- Developed a fully functional product management dashboard using React.js and Vite, featuring full CRUD operations with undo, search, and filter.
- Implemented state management with Context API and localStorage for data persistence.
- Built responsive UI with Tailwind CSS and form validation using React Final Form.
- Added unit and integration tests with Vitest and React Testing Library for full coverage.

Github : https://github.com/NimeshaMadurangi/E-Commerce_Dashboard.git

Demo : https://drive.google.com/file/d/1HWK2QA_EdtIJOnbSL9VbZPkRl85Z

Fitness Web Application (Feb 2024 – May 2024)

- Designed a full-stack fitness community platform with Spring Boot & React.js.
- Features: media sharing, workout & meal plans, and interactive social features.

Github : https://github.com/NimeshaMadurangi/PAF-Assignment.git

REFERENCES

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