

PAVAN SATHSARA

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SUMMARY

Full Stack Web Developer with over 3 years of hands-on experience building scalable, responsive, and secure web applications using modern technologies. Proficient in developing from concept through deployment with a focus on performance, UX, and team collaboration. Passionate about solving real-world problems through software innovation.

WORK EXPERIENCE

Full Stack Web Developer - Intellect Choice IT Solutions, Colombo

Jun 2024 - Present

- Developed end-to-end web platforms using modern stacks (React, Laravel, and Node.js) with a focus on performance, modularity, and maintainability.
- Implemented secure role-based access control systems across multi-user applications to ensure data privacy and operational integrity.
- Automated data collection and synchronization workflows using Python, reducing manual input time and improving accuracy by over 90%.
- Engineered dynamic reporting dashboards and data visualizations to support decision-making and internal audits in high-stakes environments.
- Led cross-functional initiatives to streamline financial operations, including donations, loans, and fund management, resulting in significantly reduced paperwork.
- Designed and scaled full-stack educational systems with performance tracking for students and teachers, improving engagement and administrative efficiency.
- Applied mobile-first responsive UI design using Tailwind CSS to ensure seamless experiences across devices.
- Built relational database schemas and APIs to support real-time data interaction and analytics with MySQL and Express.

Associate Software Engineer - Intellect Choice IT Solutions, Colombo

Feb 2023 - Jun 2024

- Assisted in developing internal web tools using Laravel and MySQL, supporting administrative teams with task automation.
- Contributed to frontend UI enhancements using Tailwind CSS, improving design consistency and accessibility.
- Collaborated in code reviews and debugging sessions, gaining hands-on experience with full-stack workflows and agile development practices.

Web Developer - Prime IT Consultancy, Colombo

Feb 2022 - Feb 2023

- Assisted in developing and maintaining company websites and client projects.
- Worked with basic front-end technologies like HTML, CSS, and JavaScript.
- Helped with simple backend tasks using PHP and Laravel.
- Gained hands-on experience in real-world web development and teamwork.

Part-Time Web Developer (Contract) - CodeAxis Digital Solutions, Dubai

Sep 2024 - Dec 2024

- Collaborated with a local business team to deliver a responsive web solution tailored for internal resource tracking and customer engagement.
- Developed and deployed key modules using Laravel and Tailwind CSS, integrating role-specific dashboards and data access controls.
- Conducted system testing and performance optimization to ensure smooth deployment within a 3-month contract timeline.

HIGHLIGHTED PROJECTS

Upload.lk | Web Application for Economic Centers in Sri Lanka (Individually Developed)

- Developed a full-stack platform for economic centers to track sales (Python, PHP, HTML, and MySQL).
- Built a Python automation script syncing 15-min data batches from local shops to a cloud server.
- Enhanced daily operational accuracy and data transparency for 100+ vendors.

Welfare Management System (Developer / Project Lead)

- Developed a Welfare Management System for a government department using Laravel, Tailwind CSS, and MySQL to streamline fund, donation, and loan management processes.
- Implemented secure role-based access control, automated transaction logging, and dynamic reporting dashboards to ensure transparency and accountability.
- Enabled centralized tracking of financial operations, reducing manual paperwork and increasing operational efficiency across departments.

Smart School Management System – Ongoing (Developer / Project Lead)

- Designing and developing a comprehensive School Management Web Application using React, Express.js, MySQL, Typescript and Tailwind CSS.
- Implemented modules for managing teacher and student records, including real-time attendance tracking and teacher release workflows.
- Integrated student and teacher performance tracking dashboards with dynamic data visualization for academic and behavioral metrics.
- Built a secure role-based access control system to ensure granular permission levels for Admins, Teachers, and Students.
- Focused on a scalable backend architecture and responsive frontend design for seamless multi-device user experience.

EDUCATION

Bachelor of Science in Software Engineering

Cardiff Metropolitan University

- Graduated with a focus on systems design, backend development, and real-world software project delivery.

Capstone projects:

Machine Maintenance Prediction System using machine learning for predictive analytics.

Raise A Paw: Developed a pet adoption platform with login/registration, pet listing, location tracking and donation features.

TECHNICAL SKILLS

- **Frontend:** React, Tailwind, JavaScript (ES6+), CSS, HTML
- **Backend:** Node.js, Express, Laravel, PHP
- **Database:** MySQL, PostgreSQL
- **Tools:** Git, Postman, Cpanel, Plesk
- **Others:** REST APIs, MVC Architecture, Agile Development

ADDITIONAL INFORMATION

Languages: English

Certifications: Front-end Development with React V2 – IBM