PUBUDU HARSHANA

Software Engineer | Full-Stack Developer

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PROFESSIONAL SUMMARY

Computer Science undergraduate and full-stack developer with hands-on experience building and deploying production-style web applications across the MERN stack, Java, and PHP, integrating LLM-based AI agents, and working from database design through to cloud deployment. Comfortable owning a feature end-to-end - frontend UI, backend APIs, and data layer - and quick to pick up new frameworks and tools. Seeking an entry-level Software Engineer / Full-Stack Developer role to contribute to real-world products while continuing to grow technically.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, PHP

Frameworks & Libraries: React.js, Node.js, Express.js, Tailwind CSS, Three.js

Databases: MongoDB, MySQL

Tools & Platforms: Git, GitHub, REST APIs, Ollama (Local LLMs), Cloud Deployment, Figma, Adobe Creative Cloud,Canva

Core Strengths: End-to-end feature ownership, cross-functional communication, fast learner, problem-solving under deadlines

PROJECTS

FreshLync.live — Full-Stack Web Application

- Built and deployed a full-stack marketplace platform using the MERN stack, connecting customers, suppliers, and intermediaries for fresh goods distribution.
- Implemented REST API integration, MongoDB data modelling, and core business-logic features across frontend and backend.
- Deployed to a cloud hosting environment, handling configuration for reliability and smooth end-user access.

AI Agent for Pizza Shop — Local LLM-Based Customer Assistant

Github:

- Built a locally-hosted AI customer support agent using Ollama, enabling menu queries and order assistance without sending data to external servers.
- Implemented memory-based conversation handling so the agent retains context across a customer interaction for more natural, personalized responses.
- Designed the system with data privacy in mind, keeping customer and order data secure within the local deployment.

RoutePro — Travel Route Planning Web Application

Github:

- Developed a travel route planning platform using React.js, PHP, and MySQL to help users discover and manage travel itineraries.
- Built an interactive, user-friendly interface backed by dynamic data handling and custom backend logic.

pubudu.online — Interactive 3D Portfolio Website

Github:

- Designed and built a personal portfolio site using Three.js, incorporating 3D scenes and WebGL-based rendering for an immersive experience.
- Applied frontend performance optimization techniques to keep 3D rendering smooth across devices.

PROJECTS

Carvibes — Client Vehicle Care Website

carvibes.lk

- Developed a Next.js website for a vehicle-care business to present service packages, pricing, and locations.
- Implemented vehicle-category package selection and WhatsApp enquiry links. Deployed the website on Vercel.

Ravi Tours & Travels — Client Travel Website

ravitoursandtravels.com

- Developed a Next.js travel website presenting Sri Lankan tours, destinations, itineraries, and travel services.
- Built an interactive route visualizer for tour itineraries and added WhatsApp enquiry links.

EXPERIENCE

System Operator (SAP)

MAS Holdings — Raw Material Warehouse *Jan 2022 - Jan 2023*

- Operated SAP systems to manage data entry, reporting, and warehouse records supporting production and administrative teams.
- Monitored software and database systems to keep daily workflows running smoothly while maintaining data confidentiality.
- Coordinated with cross-functional departments to troubleshoot system issues and resolve operational bottlenecks quickly.

Designer |Freelance

2020 – Present

- Deliver premium branding, high-fidelity logos, and cinematic video edits for clients, enhancing brand identity and digital presence.
- Apply UI/UX principles to digital assets and marketing materials, bridging the gap between graphic design and frontend development for modern aesthetics.

EDUCATION

BSc (Hons) in Computer Science & Technology *2023 – Present*

Uva Wellassa University of Sri Lanka

GCE Advanced Level *2020*

Eheliyagoda Central College

CERTIFICATIONS

- AWS Essential Training for Developers – LinkedIn Learning
- Develop and Hosting Full-Stack React Website – LinkedIn Learning
- Master AI-Powered Branding: Content Creation & Visual Design – Udemy *(Dec 2025)*
- Computer Vision with Python – Udemy *(Nov 2023)*
- Social Media Marketing Professional Certificate by Hootsuite
  LinkedIn Learning | Completed 07 Nov 2026

LEADERSHIP & VOLUNTEERING

- Head of Public Visibility — IEEE Student Branch, Uva Wellassa University of Sri Lanka
- Member Coordinator — IEEE SL Inspire, IEEE Sri Lanka Section
- Editor — Microsoft Club, Uva Wellassa University of Sri Lanka