

# PASINDU GAYAN

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[My Portfolio](#) | [LinkedIn](#) | [GitHub](#)

Information and Communication Technology (Hons) student eager to apply strong technical skills to create meaningful solutions in the tech industry. Proficient in programming languages including JavaScript, TypeScript, Java, Python, and SQL. Skilled in frameworks like React, NextJS, Node.js, and SpringBoot, with experience in databases such as MongoDB, Firebase, and MySQL. Capable of building and testing REST APIs and possesses strong leadership, problem-solving, and decision-making abilities.

## AREA OF EXPERTISE

- **Programming Languages:** JavaScript, TypeScript, Java, Python, SQL, C
- **Frameworks & Libraries:** React, NextJS, Node.js, Express.js, SpringBoot, Flask
- **Databases:** MySQL, MongoDB, PostgreSQL, Firebase,
- **Cloud Platforms:** Azure
- **API Development:** REST APIs
- **Testing:** Postman, insomnia
- **Other:** Git, GitHub, Docker, Azure

## EDUCATION

Bachelor of Information and Communication Technology (Hons)

July 2023 - present

Faculty of Technology - University of Sri Jayewardenepura

GCE A/L examination Technology Stream

2021

Technology Stream - AAB | Z-score - 2.4

## PROJECTS

**Bordima.lk - Full-Stack Student Accommodation SaaS (Personal Project)** [View application](#)

- Architected and built a full-stack, 3-role (Admin, Provider, Student) SaaS platform from scratch using Next.js, PostgreSQL, and Prisma.
- Engineered a secure, two-step verification workflow where Admins must approve both new providers and their individual listings, solving a key market trust issue.
- Implemented a role-based JWT authentication system with Next-Auth and custom middleware to protect admin and provider dashboards.
- Designed the relational PostgreSQL database schema (with Prisma) to manage complex relationships between users, providers, and listings.
- Tech Stack: Next.js (TypeScript), PostgreSQL (Neon), Prisma, Next-Auth, Tailwind CSS, Vercel.

**Cotton Bloom - Full Stack E-Commerce Platform** | [Live Demo](#) | [\[GitHub Link\]](#)

- Architected a high-performance e-commerce solution using Next.js 16 and TypeScript, managing the full software development lifecycle from initial concept to production deployment.
- Authored comprehensive project documentation, including Software Requirements Specifications (SRS), Entity-Relationship (ER) diagrams, and technical manuals, ensuring a structured and scalable system design.
- Engineered a secure Admin Dashboard with Role-Based Access Control (RBAC) to manage product inventory, track order lifecycles (Pending → Delivered), and visualize sales analytics.
- Implemented a robust CI/CD pipeline using GitHub Actions for automated testing and integrated Cloudinary for scalable, unsigned image uploads.
- Tech Stack: Next.js 16, TypeScript, PostgreSQL (Neon), Prisma, NextAuth.js, Tailwind CSS, GitHub Actions..

## LICENSES & CERTIFICATIONS

- Industrial Networking Essentials - CISCO
- GitHub Foundations
- Python for Beginners — University of Moratuwa  
Verification link    Verification code: aj5eGsl0mL
- Web Development for Beginners — University of Moratuwa  
Verification link    Verification code: uz7kkNj3oy
- Python programming — University of Moratuwa  
Verification link    Verification code: haJmpxhbTs
- Front-end web development — University of Moratuwa  
Verification link    Verification code: jSTOkeecAn
- Web development server-side programming — University of Moratuwa  
Verification link    Verification code: 5Yc8NLdcX8
- Professional practices in software development — University of Moratuwa  
Verification link    Verification code: KZG9InOd3B
- Foundation of Project management — University of Moratuwa  
Verification link    Verification code: HZrEZP1Dal
- Project scope and schedule management — University of Moratuwa  
Verification link    Verification code: AhG3SWe72l

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## SOFT SKILLS

Leadership & Team Management  
Critical Thinking  
Decision-Making

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## VOLUNTEERING & ORGANIZATIONAL EXPERIENCE

President Technology sub committee, Faculty of Technology - University of Sri Jayewardenepura	2024 - 2025
Logistics committee head, Japura EXPEDITION, IEEE student branch, University of Sri Jayawardhanapura.	2025

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## REFERENCES

Name : Upeksha Hansani  
Contact number: 0763953691  
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Designation: Lecturer, ICT Department,  
Faculty of Technology, University of Sri  
jayawardhanapura.

Name : U.G.D.Neelya Bandara  
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