

# PASINDU INDUWARA

## IT UNDERGRADUATE

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### PROFILE

Motivated and dynamic IT undergraduate with a strong passion for web development and a keen interest in UX/UI engineering. Experienced in designing and developing full-stack web applications, with a solid understanding of frontend and backend technologies. Skilled in translating user needs into functional, visually engaging interfaces while adhering to modern software development practices. Proficient in coding, testing, and debugging, with a commitment to continuous learning and staying current with the latest tools, frameworks, and industry trends.

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### EDUCATION

**UNIVERSITY OF KELANIYA** | 2023 - PRESENT

- B.Sc. Honours in Information Technology, Current GPA: 3.7

**NIWATHTHAKACHETHIYA NATIONAL COLLEGE** | 2012 - 2019

- GCE Advanced Level
  - GCE Ordinary Level
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### PROFESSIONAL QUALIFICATIONS

**Trainee Full Stack Developer**

**University of Moratuwa** | Centre for Open & Distance Learning

Completed a full stack developer training program at the University of Moratuwa's Centre for Open & Distance Learning, covering Python programming, web development, and professional practice. Gained hands-on experience in frontend and backend technologies through courses like Python Programming, Web Design, and Server-Side Development. The program emphasized real-world problem-solving, modern software tools, and soft skills such as communication, teamwork, and project management. A capstone project reinforced technical and analytical skills while fostering a mindset for lifelong learning in the fast-evolving ICT field.

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### PERSONAL PROJECTS

#### 1. Guidia – Full-Stack Career Guidance Platform (Individual Project)

A sophisticated web application that digitizes the University of Kelaniya Career Guidance Unit's (CGU) manual career guidance process. It connects students, counselors, and companies through features such as career exploration, job applications, appointment scheduling, and recruitment. The frontend is built with React 18 and Vite, using shadcn/ui, React Hook Form, Zod, and Recharts. The backend is powered by Node.js (Express) with MySQL, JWT, Socket.IO, Firebase for real-time features, and Azure Blob Storage, enhanced by a standout multi-AI integration, all designed with robust security.

#### 2. Pasindu Nadun Induwara - Portfolio Website (Individual Project)

Designed and developed a personal portfolio ([pasindunaduninduwara.me](https://pasindunaduninduwara.me)) using Next.js 15 and Supabase for authentication, database, and storage. Includes dynamic project/blog displays with commenting and an admin CMS for content management.

#### 3. Quota.app - Fuel Quota Management System (Group Project)

Contributed to a fuel quota management system connecting vehicle owners, fuel station owners, and administrators. Built with a Java Spring Boot backend (JWT, JPA), three Next.js frontends for vehicle owners, stations, and admins, and an Expo/React Native mobile app for station operators. Key features include QR-based fuel transactions, quota tracking, SMS notifications via Twilio, and reporting, with PostgreSQL for data management.

#### 4. Personalized Ad-Copy Generation – AI/NLP Project (Group Project)

Developed an AI system for personalized ad copy generation using user profiles and product data. Employed a RAG approach with FAISS for search, T5 for generation, and SentenceTransformers for context. Generated synthetic data with Faker and optimized NLP pipelines using FP16, gradient accumulation, and dynamic GPU memory. Tech: Python, PyTorch, Transformers, spaCy, Pandas.

#### 5. Multi-Link Sharing Platform (“Linky”) (Group Project)

Built a cloud-native platform for personalized landing pages with multiple external links. Deployed on Azure using Kubernetes and Docker, with MongoDB Atlas for storage. Ensured high availability, load balancing, and TLS encryption. Tech: React, Node.js, Docker, Kubernetes, Azure, MongoDB.

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## 6. Employee Management Web Application (Group Project)

Built a Spring Boot-based web app for managing employee data via RESTful APIs. Features include CRUD operations, search, input validation, and security against SQL injection/XSS. Enhanced performance with caching and deployed on Azure. Contributed to architecture, development, and documentation.

## 7. Employee Management System (Individual Project)

Developed a web-based system using Java Servlets, JSP, and XML to manage employee records. Features include CRUD operations, search, and sorting. The responsive UI uses Bootstrap and jQuery, with deployment on Apache Tomcat and dependencies managed via Maven.

## 8. Hela Rasa Recipe Android Mobile Application (Group Project)

Created an Android app for managing and sharing recipes, featuring user login, multimedia-supported recipe creation/editing, and social sharing. Designed intuitive UI/UX with wireframes, used Firebase for cloud storage, and ensured quality through thorough testing.

## 9. Calky – Cross-Platform Calculator Mobile Application (Individual Project)

## 10. Zombie Jumper – 2D Platformer Game Using C++ and SFML (Group Project)

## 11. BLOOD DONATION Management System (“BLOOD LINK”) (Group Project)

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## ACHIEVEMENTS

### First Runner-Up

- J'PURA EXPO 2023, Inter University Export-Oriented Innovation Competition.

### Semi-Finalist

- Achieved Semifinalist status for the project “Ceylon Treasure” in the VentureVerse Startup Challenge conducted by Sabaragamuwa University

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## VOLUNTEER WORK AND AFFILIATIONS

- Assistant Media Director**, Industrial Management Science Students’ Association (IMSSA), 2024 - 2025
- Member**, AIESEC Colombo North Local Committee, 2023 - 2025
- Member**, Gavel Club - University of Kelaniya, 2023 - 2025
- Volunteer**, Sasnaka Sansada Foundation, 2022 - 2024

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## SKILLS

### Tech Skills

- Programming Languages:** HTML, CSS, JavaScript, TypeScript, Python, Java, C/C++, SQL, XML
- Frameworks & Libraries:** React, Node.js, Express.js, Angular, Spring Boot, Flutter, Next.js, React Native, Expo, Java Servlets, JSP, jQuery, shaden/ui, React Hook Form, Zod, Recharts, Socket.IO
- Tools & Platforms:** MySQL, PostgreSQL, MongoDB, Docker, Kubernetes, Azure Blob Storage, Firebase, Git, Maven, Apache Tomcat, Vite, Sentry, Axios, FAISS, Figma, Supabase, Twilio, Faker, Hoppscotch (API development ecosystem)
- Web Development:** Responsive Design, UX/UI, Cross-Browser Compatibility, RESTful APIs, Authentication (JWT, OAuth, OTP), Real-Time Messaging
- Other Technologies:** SFML, spaCy, Transformers, PyTorch, Pandas, MS Office, Adobe Illustrator, Adobe InDesign

### Soft Skills

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|---------------------------|----------------------|---------------------|
| • Effective Communication | • Project Management | • Self-Motivation   |
| • Critical Thinking       | • Time Management    | • Lifelong Learning |
| • Problem Solving         | • Adaptability       |                     |
| • Team Collaboration      | • Creativity         |                     |

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## LANGUAGES

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| • English (Fluent) | • Sinhala (Native Speaker) |
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## REFERENCE

### Chathumini Nandadewa

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