

# E.P.H SAMADHI

## FINAL-YEAR INFORMATION TECHNOLOGY UNDERGRADUATE

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

### PROFESSIONAL PROFILE

Versatile final-year Information Technology undergraduate at the University of Ruhuna with exposure across Business Analysis, Software Development, Frontend Development, UI/UX, HCI, databases, research and IoT. Experienced in understanding user needs, documenting requirements, designing interfaces, developing web solutions, integrating Firebase and hardware components, and presenting technical ideas. Published undergraduate researcher, confident communicator and creative problem solver seeking an IT internship to contribute to real projects while continuing to grow across the technology industry.

### CORE SKILLS

**Analysis & Product:** Requirements Gathering, Requirement Analysis, Functional & Non-Functional Requirements, User Stories, Use Cases, Process Analysis, System Analysis, UML Fundamentals, Documentation, Stakeholder Communication, Risk Assessment

**Development:** HTML, CSS, JavaScript, Java, Node.js, Firebase, MySQL, REST API Fundamentals, Frontend Development, Responsive Web Design, Basic Backend Development

**UI/UX & HCI:** Figma, Wireframing, Prototyping, User Flows, Interface Design, Human-Centered Design, Usability, Accessibility Awareness, Design Thinking

**IoT & Hardware:** ESP32, Fingerprint Sensor Integration, Hardware-Software Integration, Real-Time Data Workflows

**Research & Tools:** Literature Review, Data Collection, Report Writing, Academic Presentation, Basic Data Interpretation, Git, GitHub, VS Code, Canva, Microsoft Office, Google Workspace, AI Productivity Tools

**Professional:** Communication, Presentation, Public Speaking, Teamwork, Leadership, Creativity, Problem Solving, Active Listening, Adaptability, Time Management, Collaboration, Positive Attitude, Event Hosting, Storytelling

### EDUCATION & QUALIFICATIONS

**Bachelor of Information Technology (Honours) Special Degree** | University of Ruhuna, Sri Lanka | 2022-Present | Expected April 2027

**Diploma in English (DIE)** | ESOF Metro Campus | Issued Nov 2019

**G.C.E. Advanced Level** | Veyangoda Bandaranayake Central College, Sri Lanka

### PROFESSIONAL EXPERIENCE

**Underwriting Executive** | *Ceylinco General Insurance Limited*

Gained exposure to insurance operations, risk assessment, accuracy-focused work and structured business procedures.

Strengthened professional communication, responsibility, attention to detail and the ability to work within established organizational processes.

### SELECTED PROJECTS

**Smart Hostel Management System** | *Full-Stack • IoT • System Analysis*

Worked in a five-member academic team on student registration, room allocation, attendance, check-in/check-out, late-return monitoring and hostel administration.

Contributed to requirement analysis, warden dashboard UI design, frontend development, Firebase integration, documentation and teamwork.

Integrated ESP32 C3 and fingerprint-sensor workflows with real-time Firebase data for automated identification and attendance.

**Technologies:** HTML, CSS, JavaScript, Firebase, Node.js, ESP32 C3 Super Mini, Fingerprint Sensor

### **Personal Portfolio Website** | *Frontend Development • UI/UX • Personal Branding*

Designed and developed a responsive portfolio presenting projects, research, certifications, technical skills and professional growth in a recruiter-friendly format.

Implemented responsive navigation, interactive gallery/lightbox, animations, contact-form integration, CV download, credential links, accessibility considerations and GitHub Pages deployment.

**Technologies:** HTML, CSS, JavaScript, Git, GitHub Pages, Formspree

**Live Portfolio:** [samadhiedirisinghe.com](https://samadhiedirisinghe.com)

### **Student Assistant Mobile Application** | *Mobile • UI/UX • Student Productivity*

Developed a student-focused application concept supporting academic organization, task management, productivity and everyday university activities.

Contributed to requirement analysis, interface design, user-flow planning and student-centered feature development.

### **Fingerprint-Based Smart Identification System** | *IoT • Automation*

Applied ESP32 and fingerprint technology to explore automated identification and attendance functionality and strengthen hardware-software integration skills.

### **Service Provider Application** | *Application Concept • UI/UX*

Designed a service-booking concept connecting users with electricians, plumbers and gardeners, focusing on user requirements, usability and accessible service discovery.

## **RESEARCH & PUBLICATION**

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### **The Role of Information Technology in Enhancing Small Business in Sri Lanka** | *RASAS 2025 • University of Ruhuna*

Published undergraduate research on how information technology supports the growth, efficiency and sustainability of small businesses in Sri Lanka.

Developed skills in literature review, research documentation, academic writing, analysis and presentation of findings.

## **CERTIFICATIONS**

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**Oracle Cloud Infrastructure 2025 Certified Foundations Associate** | Oracle | Issued Oct 2025

**Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate** | Oracle

Certificate Course in Oracle Technologies | Oracle University

Diploma in English (DIE) | ESOF Metro Campus

## **LEADERSHIP, COMMUNICATION & UNIVERSITY ENGAGEMENT**

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### **University Scouting Team – Member**

Participated in university scouting activities, strengthening teamwork, discipline, leadership, adaptability, and community engagement.

### **ITSA (Information Technology Students' Association) – Committee Member**

Contribute to student association activities, event coordination, and initiatives that support engagement within the IT student community.

### **University Cultural Centre – Student Contributor**

Collaborate in university dramas, cultural performances, and creative events, contributing to rehearsals, performances, teamwork, and cultural engagement.

### **RASAS 2026 – Graphic Design Team Member**

Contribute to the development of graphic and creative materials for RASAS 2026, supporting the event's visual communication and promotional activities.

### **Communication & Public Engagement**

Active involvement in event hosting, compering, public speaking, academic presentations, project demonstrations, and research events, strengthening confidence, audience engagement, and professional communication.

### **All-Island Winner – RAAWA 2025 Dubbing Competition | Japura Voice**

Won the **All-Is Island Dubbing Competition – RAAWA 2025**, organized by Japura Voice, demonstrating strong voice expression, creativity, performance, and communication skills.

### **Creative & Personal Development**

Participation in dancing, cultural performances, and dubbing/voice activities has developed creativity, expression, discipline, and storytelling abilities. Swimming and outdoor/adventure activities have further strengthened resilience, adaptability, consistency, and curiosity.

## **CAREER INTERESTS & ADDITIONAL INFORMATION**

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**Interested Internship Areas:** Business Analysis, Project Management, Software Development, Frontend Development, UI/UX, Quality Assurance, Product/System Analysis, HCI, IoT and related IT roles.

**Languages:** Sinhala, English

**Availability:** Open to IT internship opportunities and collaborative project environments.