DILAKSHAN PALASUNDARAM
SOFTWARE ENGINEERING UNDERGRADUATE

CONTACT

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- https://github.com/theachchu/

TECHNICAL SKILLS

Languages

- Python
- Java
- JavaScript
- Dart
- HTML
- CSS

Framework

- Flutter

Database

- MySQL

Version Control

- Git
- GitHub

Development Tools & IDEs

- VS Code
- IntelliJ IDEA
- Antigravity
- Cursor

Design & Prototyping Tools

- Figma
- Canva
- Stitch

Cloud / Collaboration Tool

- Google Colab

LANGUAGES

- English
- Tamil
- Sinhala
- Japanese (Learning)

OBJECTIVE

Motivated Software Engineering undergraduate with a strong interest in mobile application development, seeking opportunities to apply and enhance my skills in real-world projects. Passionate about exploring Artificial Intelligence, Machine Learning, and the intersection of technology with business and finance. Eager to contribute to innovative solutions while continuously learning and growing in a dynamic environment.

PROJECTS

Aurix: Software Development Group Project   Sep 25 - Present

Developed a cross-platform Flutter application connecting customers and jewellers through product browsing, quotation requests, and real-time metal rate tracking. Built core frontend features, including UI flows, navigation, product detail pages, and quotation system. Integrated AI-based jewellery design generation, with planned AR-based virtual try-on for future releases.

AuraScan: Multispectral Gold Purity Analyzer   Mar 26 - Present

Conceptual research project exploring a low-cost, non-destructive method for gold purity analysis using multispectral sensing. Investigating light spectrum behaviour, metal reflectance properties, and sensor technologies (AS7265x) to design a system capable of identifying gold purity levels. Currently building foundational knowledge for future prototype development.

Life on Land: SDG Website Group Project

Developed a responsive, informational website as part of coursework, applying modern web design practices and semantic HTML structure with interactive components.

Student Record Management System

Created a record management system using Python for adding, updating, and viewing student information. Implemented data handling and validation logic to ensure consistent record operations.

EDUCATION

BEng (Hons) Software Engineering)   Jan 25 - Present
University of Westminster (UK), conducted at IIT, Sri Lanka

Modules Completed: Software Development I, Mathematics for Computing, Trends in Computer Science, Computer System Fundamentals, Software Development II, Web Design and Development, OOP, Algorithms: Theory, Design and Implementation, Database Systems, SDGP, Software Engineering Principles and Practice, Machine Learning and Data Mining

Foundation Certificate in Higher Education for IT   Sep 24 - Dec 24
Informatics Institute of Technology, Sri Lanka

Modules Completed: Essential Communication Skills, Academic Skills in Higher Education, Mathematics for Computing, Digital Skills for Higher Education, Introduction to Programming

Primary, Junior Secondary, GCE (O/L), GCE (A/L)   Jan 09 - Jan 23
STR/ Navithanvely Annamalai Maha Vidyalaya

- Completed GCE (A/L) in the Physical Science Stream
- Completed GCE (O/L) with 7A, B, C (ICT - A)

CERTIFICATIONS

- Google AI Essentials by Google
- Build Your Own GPTs by LinkedIn
- Master Confident Presentation by LinkedIn
- Professional Development by IIT

REFERENCES

- **Mr. Torin Wirasingha**
  Lecturer / Level Coordinator
  Faculty of Computing
  Informatics Institute of Technology
  10, Trelawny Place, Colombo 05, Sri Lanka
  Mobile: + 94 76 920 9747
  Email: torin.w@iit.ac.lk

- **Ms. Sankeetha Elancheliyan**
  Assistant Lecturer
  Faculty of Computing
  Informatics Institute of Technology
  435, Galle Road, Colombo 03, Sri Lanka
  Email: sankeetha.e@iit.ac.lk
  Mobile: +94 77 227 6419

WORK EXPERIENCE

Operations Management (Independent Role)   July 24 - Sep 24
Manamagal Pawning Centre, Navithanveli

- Independently managed full operations of the pawning centre, including valuation, transactions, and customer handling.
- Oversaw loan processing, record keeping, and day-to-day business workflow.
- Ensured accuracy, security, and smooth functioning of all operational activities.

Pawning Officer   Jan 23 - Jul 24
Manamagal Jewellery, Mulankavil

- Handled customer transactions and jewellery.
- valuation following company guidelines.
- Maintained accurate financial records and ensured secure handling of sensitive data.
- Delivered consistent customer service in a fast-paced environment.

LEADERSHIP & VOLUNTEER EXPERIENCE

Rotaract Club of IIT (RACIIT)
Community Service Director for the Rotaract year 2025-26

- Leading and managing community service initiatives and social impact projects.
- Coordinating volunteer teams, planning events, and overseeing execution.
- Driving initiatives focused on animal welfare, mental health, and community support.

Chairperson

- Voice for the Voiceless 2026 - Animal welfare initiative
- Chammak Challo 2026 - Cultural Holi event

Volunteer & Organising Team Member

- Lifeline 2026 - Mental Health Awareness
- Voice for the Voiceless 2025
- Dil Se 2025 (Decoration Team)
- Sally's Manor 2026 (IO & Decoration Team)
- Resilient Lanka - Cyclone relief donation initiative

Event Volunteer (National Events)

- International Half Marathon Sri Lanka
- Ironman Colombo 70.3 (2026)
- Move It Sri Lanka - 5km Performance Run
- Run for Their Lives - Charity Run (Apeksha Cancer Hospital)
- Run for Change - Rotaract District 3220

IIT Sports Council
Volunteer & Sports Committee 2025 Member

- IIT Annual Sports Meet 2025
- SHELetics 2025

AIESEC Sri Lanka
Volunteer - Global Classroom Program

- Selected to participate in an international community initiative with the Valmiki Foundation, India.
- Focused on educational support and cross-cultural engagement.

School Leadership
STR/ Navithanvely Annamalai Maha Vidyalaya

- Senior Prefect
- Junior Prefect
- Primary Prefect

Community Engagement
ICT Tutor (Volunteer)

- Conducted free ICT classes for O/L students in the local community.
- Helped students understand core computing concepts and exam preparation.