

# PEAKS Framework Documentation

## P – Professional Profile & Projects

You are a committed **IT undergraduate** with a strong foundation in software development, web technologies, and database systems. Currently pursuing a **Higher Diploma in Information Technology (HDIT)** at SLIIT City Uni (since March 2024), and planning to continue a **Top-Up Degree in Computer Science** at the University of Bedfordshire.

You possess hands-on experience with SDLC methodologies (**Agile & Waterfall**) and have completed multiple real-world and academic projects.

### Key University Projects

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#### 1. AgreePath – Agriculture E-commerce & Guidance Platform

- Tech Stack: **PHP, MySQL, HTML, CSS, JS**
- Features: Bilingual support (Sinhala/English), chatbot, dark/light mode, secure CRUD system, farmer marketplace, planting guides.
- Future Enhancements: Advanced crop guidance, AI chatbot, environmental-based recommendations, mobile application.

#### 2. Hospital Management System

- Tech Stack: **Java, JDBC, MySQL, Swing**
- Features: Appointment handling, billing, patient data management.
- Architecture: Layered (**Code – Connection – Interface**), fully OOP.

#### 3. Crop Master Web Application (MERN)

- Tech Stack: **Node.js, MongoDB, Bootstrap**
- Features: Responsive UI, CRUD, JWT authentication, JSON API processing.

#### 4. GoldenTreat – Bakery Management System (Group Project)

- Tech Stack: **PHP, JS, MySQL, Bootstrap**
- Role: Sales & billing module design, implemented online selling for a real bakery client.

#### 5. Algorithmic Java Apps

- Features: Sorting, searching, and dynamic programming visualized through GUI/CLI Java applications.

## **E – Extra-Curricular Activities & Leadership**

### **Leadership Roles**

- **Co-President**, Students' Council – SLIIT City Uni Kurunegala (2024–Present)
- **Batch Representative**, HDIT 2024 Batch

### **Sports Participation**

- Scouts
  - Swimming
  - Volleyball
  - Athletics
  - Table Tennis
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## **A – Academic Achievements**

### **School: Maliyadeva College (2008 – 2022)**

- **G.C.E. Advanced Level – 2022 (Science Stream)**
    - Chemistry – C
    - Physics – S
  - Combined Mathematics – S (2023)
  - **G.C.E. Ordinary Level – 2019**
    - 3 A's
    - 6 B's
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## **K – Knowledge & Technical Skills**

### **Programming Languages**

- JavaScript, Java, PHP, C++, C, HTML, CSS

### **Databases**

- MySQL, MongoDB, SQL Server

### **Tools & Platforms**

- Git/GitHub, VS Code, Android Studio, Figma, Trello

## **Testing Tools**

- Selenium

## **Design Tools**

- Figma, draw.io

## **Other Technical Skills**

- REST API Development
- Agile Methodologies
- Software Development Life Cycle (SDLC)
- Basic Networking & Cybersecurity Concepts

## **General Interests**

- Emerging Technologies
  - Social Sciences
  - Politics & Current Affairs
  - Agriculture & Agri-Tech
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## **S – Soft & Personal Skills**

- Team Leadership
  - Collaboration & Teamwork
  - Effective Communication
  - Strategic Thinking
  - Decision Making
  - Priority & Time Management
  - Attention to Detail
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## **PEAKS Framework Summary**

The **PEAKS** model captures your complete professional identity: - **K + S** → The foundation (skills & capabilities) - **A** → The academic base that supports your journey - **E** → Leadership and activities that shaped your path - **P** → The real-world and academic project accomplishments representing your climb towards software engineering excellence

This documentation acts as a polished, structured record of your competencies and growth.