

# SARITHA KILI

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I am an enthusiastic undergraduate in Computer Engineering, driven by a passion for leveraging technology to create innovative solutions. With a solid foundation in machine learning and web development, I am excited to apply my skills in a collaborative environment. I am eager to contribute to impactful projects and grow alongside a dynamic team, helping to shape the future of your company. Let's create meaningful advancements together!

## Education

**B.Sc. Computer Engineering (Hons )**

**2021 - Present**

*Faculty of Engineering, university of jaffna*

## Projects

**Undergraduate Research Project**

**Feb 2024 - Present**

*Task level Cloud Resource management*

- Developing a deep learning-based task classification Resource prediction model for efficient resource management in cloud computing environments, focusing on optimizing resource allocation.

**Lab Booking System -Software Engineering**

**Feb 2024 – June 2024**

- Developed a Web App for University Lab management
- Technology Stack: React JS — Java Spring-Boot — MySQL
- Key Features: 3 Portals (Admin, Lecturer and Student),Real-Time Availability , Notification System , User Authentication

**E-Waste Management System - Human Computer Interection**

**Oct 2024 - Present**

- Current Development project for E-Waste management problem
- Technology Stack: Figma — React JS — CSS
- Focusing on UI/UX and Human-Computer Interaction (HCI) principles

**plant disease detection**

**Feb 2024 - June 2024**

- Technology Stack: Python ; —Transfer Learning —Image Processing — Deep Learning

**Tamil Grammer Spelling checker**

**Nov 2024 - Present**

- Technology Stack: Python ; Rule-Based Systems — NLP

**Mini projects**

- Safe Parking System - Arduino
- IOT botnet-attack prediction
- University Network System - CISCO packet tracer
- PCB Design for 3D LED Cube - Proteous

## Skills

- GUI Design
- UI/UX designing - Figma
- Canva , Adobe Lightroom , Adobe Photoshop
- HCI Proficiency
- HTML , CSS , Tailwind CSS
- Programming - Java , Python , C+ + , JavaScript
- React.js , Node.js , Spring Boot
- OOP and SDLC
- Data modeling and queries - MySql , MongoDB
- Version Control - Git and GitHub
- DevOps Practices
- Machine learning , Deep learning and AI Practices
- Learning Algorithms
- Networking and Network Protocols Fundamentals
- Project management - jira

## Languages

English - Professional proficiency

Sinhala - Conversational proficiency

Tamil - Native proficiency

## References

**Mr. Y. Pirunthapan**

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