

# Nethmi Perera

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[GitHub](#)

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## OBJECTIVE

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Passionate about software development and emerging technologies, seeking an internship to acquire hands-on experience, apply knowledge of programming, and grow professionally in a fast-paced engineering environment.

## EDUCATION

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**Eastern University, Trincomalee Campus of Sri Lanka**

**Aug 2021 - Dec 2024**

Bachelor of Computer Science

**Relevant Coursework:** Data Structures Algorithms, Object-Oriented Programming, Web Development, Database Management, Quality Assurance.

**Ch/Ananda National College**

**Sep 2019 -Dec 2015**

Advanced Level Physical Science Stream

## PROJECTS

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### **Sinhala-Voice based Mental Health Chatbot Web Application (University Final Year Project)**

Developed a Sinhala-speaking mental health chatbot using deep learning, NLP, and Retrieval-Augmented Generation (RAG) with a ReactJS frontend, a Flask and Python backend to provide culturally relevant mental health support.

### **Restaurant Management system (group-project)**

#### **Front-end Developer Jul -Aug 2024**

Developed a restaurant management system using React and Node.js, MySQL allowing users to manage orders, inventory with a user-friendly interface and streamline business operations.

### **Resource Monitoring Tool(group-project) Developer Nov 2023 - Dec 2023**

Developed a System Resource Monitor in C# to track and display real-time system resource usage, including CPU, memory, and disk utilization. This tool provides users with insights into available and used resources, helping optimize system performance.

### **Automated Testing Application using Python & Selenium with Website Link Option**

Automated Testing Application Developed an RPA solution using Python with Selenium to automate data extraction from ikman.lk.

## SKILLS

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**Programming Languages:** C, C++, C#, HTML, CSS, JavaScript, Java, SQL, PHP, Python

**Libraries & Frameworks:** React, Node.js, Tailwind CSS, TensorFlow, Keras

**Developer Tools:** Git & GitHub, VS Code, IntelliJ IDEA, VirtualBox, Android Studio, Excel, Jupyter Notebook

**Proficient in developing and deploying AI models:** Expertise in building machine learning and deep learning models for real-world applications, including natural language processing (NLP) and RAG models.

**Soft Skills:** Teamwork, Communication, Time Management, Project Management, Critical Thinking, Decision Making, Personality Development, Leadership

## ACHIEVEMENTS

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### Athena Hack 2022

Selected as a top 05 finalist teams at Athena Hack 2022

Project: - **A/L pedia**, mobile application for A/L student learning management system.

## REFERENCES

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### Mr.S.Thadchanamoorthy

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