

PRIYATHARSINI SIVALINGAM

B.Sc.Eng(Hons) in Computer Engineering, University of Jaffna

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Priya-Sivalingam

My Website

TECH SKILLS

- Programming Languages:
 - Java
 - C++
 - JavaScript
 - python
- Web Development:
 - HTML
 - CSS
 - ReactJS
- FrameWorks:
 - Express JS
 - .NET
 - Spring Boot
- Database Management:
 - MySQL
 - MongoDB
 - MsSql
- DevOps:
 - Git

PARTICIPATION

IEEE Xtreme 18.0 (2024)
ACES Coders V11.0(2024)
YGC-2024 : CodeStorm 2.0
[View Certificate](#)
GeSSOMI-2024 : Cyber-Security Bootcamp [View Certificate](#)
IEEE Xtreme 17.0 (2023)
[View Certificate](#)
ACES Coders V10.0(2023)
ancq Quiz by Australian Chemistry Institute(2017)
[View Certificate](#)

CERTIFICATION

Microsoft .NET Fundamentals, Great Learning [View Certificate](#)
Supervised Machine Learning: Regression & Classification, Coursera [View Certificate](#)

SUMMARY

*I'm a Computer Engineering student from the University of Jaffna with strong problem-solving skills. Committed to continuous learning and growth in the field of engineering, I have a keen interest in **Programming, FullStack development, machine learning and Deep Learning**. I am a flexible individual seeking a position that allows for collaboration within a dynamic team environment, fostering creativity, and achieving common goals. [click here for my GitHub profile](#).*

EDUCATION

B.Sc.Eng(Hons) in Computer Engineering | Faculty of Engineering, University of Jaffna

- present
- GPA: 3.4

Jaffna, Sri Lanka

Advanced Level GCE(A/L) Results | [Saivapagasa Ladies College](#)

- 2019
- Results: A B C


Vavuniya, Sri Lanka

Advanced Level GCE(O/L) Results | [Saivapagasa Ladies College](#)

- 2015
- Results: 8A B



Vavuniya, Sri Lanka

PROJECTS

Employee Management System (Full Stack) | 

Aug 2024 - Present

- Technologies used: **Spring Boot, React JS**
- This is a full-stack application for managing employee data.
- The system allows users to perform CRUD (Create, Read, Update, Delete) operations on employee records, as well as user authentication features like login, registration, and logout.

Yarl Vibe Restaurant Management System (.NET, React JS) |  - Backend  - Frontend

June 2024

- Technologies Used: **.NET Core, React**
- Role: Contributed to a **group project** by designing and building the **backend** order management system with **.NET Core**, implementing **APIs** and business logic for kitchen operations.
- **Frontend**: Developed dynamic, responsive React components for the kitchen interface, ensuring smooth integration with backend systems.

JavaScript for Web Development, Coursera [View Certificate](#)

Python for Beginners, University of Moratuwa [View Certificate](#)

Web Design for Beginners, University of Moratuwa [View Certificate](#)

Front-End Web Development, University of Moratuwa [View Certificate](#)

INTEREST

- Fullstack Development
- Machine Learning
- Deep Learning

LANGUAGES



- Tamil- Native
- English-Professional
- Sinhala- Basic

MEMBERSHIP

- IESL Membership: S-29986
- IEEE Membership: 100488399



REFERENCES

Dr. (Mrs.) P. Jeyanathan

 pratheeba-jeyanathan
 pratheeba@eng.jfn.ac.lk

Senior Lecturer Grade II
Head, Department of Computer Engineering
B.Sc (Hons) in Computer Science (Jaffna)
PhD (Southampton, UK)
University of Jaffna


Dr. (Mrs.) J. Jananie

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 jananie@eng.jfn.ac.lk

Senior Lecturer Grade II
Department of Computer Engineering
B.Sc (Hons) in Computer Science (Jaffna)
PhD (University of Louisiana)
University of Jaffna


- Key Feature: Integrated a real-time notification system using SignalR to instantly update the waiter and kitchen interfaces, enhancing customer service.

Dog/Cat CNN Classifier - Deep Learning Project |

 April 2024 – May 2024

- Developed and fine-tuned a Convolutional Neural Network (CNN) classifier to differentiate between images of dogs and cats using TensorFlow and Keras.
- Implemented hyperparameter tuning with Weights & Biases (W&B) to optimize model performance, achieving improved accuracy and efficiency.

Image Cption Generator - Deep Learning Group Project |

 April 2024 – May 2024


- Developed an Image Caption Generator leveraging a combination of **MobileNet** and **VGGNet** for **feature extraction** and a **transformer modelLstm** for **caption generation**.
- Implemented a custom training pipeline using TensorFlow and Keras, incorporating advanced techniques such as masked loss and accuracy metrics to handle variable-length captions.

Food Order Database App |

 June 2023 – sept 2023


- Technologies used: **PHP, MySQL, HTML, CSS**
- Developed a database-driven web application for a food ordering and delivery service. Designed the database schema and implemented CRUD (Create, Read, Update, Delete) functionalities for managing restaurants, menu items, orders, and user accounts, with a focus on the admin-side features.

Automatic Room Lighting Systems (Group Project) |

 July 2024 – Aug 2024

- Technology Stack: Arduino Uno, HC-06 Bluetooth Module, Infrared Sensors, Relay Module
- Integrated Bluetooth communication for smartphone control and optimized I2C protocol for seamless component data transfer. Developed Arduino code for automated lighting control based on occupancy detection.
- Collaborated with the team and shared the project on GitHub.

Traffic Light Control System Using VHDL (Group Project) |

 Feb 2023 – May 2023

- 4th-semester Digital Design mini-project.
- Designed a traffic light controller for a hospital road near a highway using VHDL code and FPGA board.