



HELIKA UNANTHENNA

BSc(Hons) in Computer Science (Undergraduate)

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I am an enthusiastic individual whose goal is to leverage my skills in a growth-oriented environment where I can make a meaningful impact and continue to learn. With hands-on experience in **software development, mobile app development, and web development**, as well as a strong foundation in algorithms, data structures, **machine learning, and deep learning**, I am eager to contribute to dynamic teams and innovative projects.

PROJECTS

RON (Web Application)

HTML | CSS | JavaScript

- Designed and developed a web application for our university to streamline communication and collaboration among members of various societies. The platform features dedicated pages for each society, allowing them to post updates and events directly on the site instead of relying on informal channels like WhatsApp. Members and guest users can view these posts, apply online for volunteer opportunities, and stay informed about upcoming events. RON simplifies communication, promotes engagement, and fosters a sense of community within the university.

GymMate (Mobile App)

React Native | Tailwind CSS | Supabase

- Designed and developed a customized mobile application as a solution to replace the traditional paper-based system in a gym. The app enables gym members and coaches to communicate effortlessly, allowing coaches to provide personalized workout and meal plans while users can easily track their progress. This innovative solution streamlines operations and enhances the overall experience for both members and coaches.

Wildfire Detection using satellite imagery (Ongoing Research Project)

- Currently working on a research project that leverages satellite imagery and advanced machine learning and deep learning techniques for detecting wildfires in satellite images. The project aims to contribute to more effective wildfire detection.

Pawsitive Care (Ongoing Mobile App)

React Native | Tailwind CSS | Supabase

- A mobile application to support stray and lost animals by helping them find homes and access medical care. The app enables users to create posts about lost or stray animals, engage with posts from other users, and interact with veterinarians offering medical assistance. Pawsitive Care connects the community, providing a platform for animal welfare and fostering collaboration between users and professionals.

EDUCATION

BSc (Hons) in Computer Science (UG)

2021 - Present

University of Jaffna

SKILLS

- Programming : Python, Java, JavaScript, PHP
- Frameworks : Bootstrap, Laravel, ReactJS, React Native
- Databases : MongoDB, MySQL, Supabase
- Operating Systems : Windows, Linux
- Other Tech Skills : OOP Concepts, Data structures and algorithms, GIT