

MABEESHA WIJEKOON

Computer Engineering Undergraduate at University of Peradeniya



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INTRODUCTION

I am an undergraduate who is passionate about ML, AI, Algorithmic programming, Full stack development and always curious to learn more about them. I am looking for an internship to improve my skills and to gain professional experience by working alongside with professional expertise.

EDUCATION

BSc in Computer Engineering, University of Peradeniya, Sri Lanka. (2015 – Now.)
Current GPA: 3.55/4.00.(After 5 semesters)
Dharmaraja College in Kandy, Sri Lanka. (2004 - 2014)

PROJECTS (more details in the website)

- **BAYMAX- Heart Diseases Prediction System (Machine learning, Python , HTML/CSS, JS, PHP, MySQL)**
This is a heart disease prediction system where users can check whether they have a heart disease at home by simply giving inputs they can easily measure at home. Machine learning was used to give the predictions and a web application was developed to interface with the normal users and the doctors.
- **SitnShop- An Advertising platform for shops(On going) (Machine learning, Python, Django, HTML/CSS,JS)**
This is an advertising platform for any kind of shop and it also helps the customers of the shops to easily find the shops. We are going to use machine learning to give suggestions about the shops according to their geographical location and interests and a web application is being built to interface with the users.
- **KRAKEN- An Autonomous Fishing Bot Network(Arduino, Python, RaspberryPi, JS, AnguarJS,MongoDB)**
The idea of this project was a network of fishing bots which have a trap attached to each bot. Bots can communicate with each other through a relay node and the relay nodes are monitored by a central server. Our group made a prototype of the bot, a prototype of a relay node and the central server.
- **EASYPARK- An efficient parking solution for large car parks in busy areas(Arduino, Android)**
Our group's goal was to inform users about empty spaces in car parks in busy areas, cities, etc. to minimize the traffic conditions in those busy areas. Our approach was to build a mobile application which can be used by the users to check the empty spaces in car parks in the interested areas. We built a model car park (for demonstration purposes) and the mobile application.
- **Data over Sound (Android)**
Our group built a messaging app for mobile devices which can transfer data through high frequency sounds using the speaker and the microphone of the mobile device.

MINI PROJECTS

- Tic-Tac-Toe Game - a simple game (JAVA)
- Fractals - Multi-threaded application for fractal visualization (JAVA)
- Auction Server - Multi-threaded socket server for stock auctions (JAVA)
- Face Identifier (Python , OpenCV)

HONORS & AWARDS

- Most Popular Idea – ACES hackathon 2018 – Project data over sound.
- 3rd place - Hardware & Network category - ACES hackathon 2017 - Project EASYPARK.

SKILLS

Programming languages(In order of fluency)	Java, C, Python, Matlab
Web	HTML, CSS, JavaScript
Version Control	Github
Databases	MySQL
Hardware-oriented Programming	Arduino C, Verilog HDL
Procedural Programming	ARM Assembly
Documents / Type Setting	Microsoft office
Operating Systems	Linux, Microsoft Windows

LANGUAGES

- English
- Sinhala

EXTRA-CURRICULAR

Sports

Member of the rugby squad of University of Peradeniya, Sri Lanka

- University half colors for the performance in 2016.
 - Silver medal - SLUG 2016.
- University half colors for the performance in 2017.
 - Champions - Inter University Championship 2017
 - Vice Chancellor's trophy.

Clubs & Societies

- Member, Ceylon Dramatic Society, UOP. (2017 - now)
- Committee member, Science Society, Dharmaraja College Kandy. (2013 - 2014).
- Committee member, Astronomical Society, Dharmaraja College Kandy. (2013 - 2014).
- Member, Science Quiz team, Dharmaraja College Kandy. (2012 - 2014).
- President, Energy Conservation Unit, Dharmaraja College. (2013)

REFEREES

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