

# KASUN BUDDIKA

About Me

I am self-driven hard-working individual who enjoys a challenge and achieving goals. Also, I am reliable, responsible person with strong team working skills and ability to adapt to challenging situations. I am open minded and eager to learn in order to grow and improve my communication and professional IT skills.

## Contact

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(Present)

(2020)

(2020)

## Education

University of Sri Jayewardenepura

**2018 - Present** 

C.W.W. Kannangara Central College, Mathugama

2012 - 2014

ST, Mary's College, Mathugama 2000 - 2011 **BACHELOR OF SCIENCE (B.Sc. Undergraduate)** 

Computer science Mathematics Physics

G.C.E. ADVANCED LEVEL EXAMINATION

2016 A/L: 1 - 'B' pass,2 - 'C' passes.

G.C.E. ORDINARY LEVEL EXMINATION

2011 O/L: 6 - 'A' passes,1 - 'B' passes,2 - 'C' passes

# Technical Skills

Languages C|C#|Java|Python|SQL|Arduino

Tools & Technologies Visual Studio | phpMyAdmin | MAMP | MYSQL |

Arduino | Codeblocks | Netbeans |

SQL Management Studio | MYSQL Workbench

|OpenCV|Eclipe|Tensorflow|jupyter

notebook | Git | Pycharm

3D modeling Autodesk Fusion 360 | Solidworks

Computer Designing Adobe Photoshop | Adobe After Effects

Platforms Microsoft windows

Interest In Robotics & Automation | Artificial Intelligence|

Deep Learning | Machine Learning

#### **Projects**

#### > SHORT NOTE-PAL

Developing a head band which provides the facility of making real time short note. Built in camera that can detect highlighted areas of original note, it extracts highlighted texts and organize as short note. This system supports hand written as well as text documents also.

Technology: Python, OpenCV, RaspberryPI

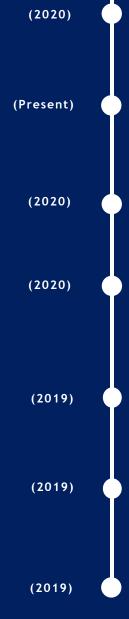
PYTHON FRUIT CLASSIFICATION (Machine Learning Group Project)

Developed a high accuracy and high-performance machine learning algorithm to identify few varieties of fruit in Srilanka which provide a short description of each fruit to user.

Technology: Python, TensorFlow, Jupyter notebook

# > PHARMACY MANAGEMENT SYSTEM

Designed a pharmacy management system which provides Cashier module, Stock Management and Reporting features. **Technology: C#, Visual Studio, MS-SQL Management Studio, SQL, MS Reporting Services** 



# Extra-Curricular

Exhibitor of 3D printing technology, Aurora 2k18

Member of workshop Team (2018)

Active member, Society of Computer Science, University of Sri Jayewardenepura

Member of IEEE, Srilanka

#### > SMART PEN

Designed a device that recognize writing patterns and keep the person awake who writes. This device continuously measures pressure patterns of pen point and it provides alerts when writer at out of focus.

Technology: Arduino

## SUPERMARKET COVID PREVENT SYSTEM

Designing a system which detects person who did not wearing face mask and without using sanitizer; as well as avoid access of them into the supermarket. System has facility to avoid overcrowding inside the supermarket. **Technology: Arduino, Raspberrypi, OpenCV** 

#### POINT OF SALE SYSTEM

Designed a POS system which provides billing, inventory management and report processing facilities. User can customize desktop application according to their favor. **Technology: C#, MYSQL, SQL Management** 

#### > SMART ATTENDANCE SYSTEM

Developed a biometric fingerprint system as an alternative way to mark attendance in class. This device can retrieve data in mobile mode. Also, it responsible for student update and registration. Device uses capacitive fingerprint technology.

Technology: Arduino, MYSQL, phpMyAdmin, MAMP

#### LIBRARY MANAGEMENT SYSTEM

Developed a java application for library management. It provides graphical user interfaces to lending/borrowing books and managing system for books and resources. **Technology: NetBeans IDE, MYSQL, MYSQL Workbench, Jasper Reports** 

#### > SELF-DRIVE CAR PROJECT

Developed self-driving car using Arduino and raspberry pi. Arduino was used as slave device. Car is responsible for stop sign detection, Moving vehicle detection and also traffic lights and end of the road.

Technology: Python, RaspberryPI, Arduino, OpenCV

## ARDUINO POWERED DRONE (Group Project)

Designed a 3D printed drone which powered by Arduino. It can controlled by Computer transmitter system. **Technology: Arduino** 

## Referees

#### Dr. Ravindra De Silva

Ph.D. (Computer science & Engineering)
University of Aizu, Japan
Senior Lecturer,
Department of Computer science
University of Sri Jayewardenepura

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# Declaration

I do hereby certify that the information I mentioned above are valid and accurate to the best of my knowledge

Date Signature