



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

📍 "Lili-York", Lewwanduwa, Welipenna, Srilanka.

📞 +94784469966

✉️ jpkasunbuddika@gmail.com

🌐 Github.com/buddikatdk

(Present)

(2020)

(2020)

Education

University of Sri Jayewardenepura
2018 - Present

BACHELOR OF SCIENCE (B.Sc. Undergraduate)
Computer science
Mathematics
Physics

C.W.W. Kannangara Central College, Mathugama
2012 - 2014

G.C.E. ADVANCED LEVEL EXAMINATION
2016 A/L: 1 - 'B' pass, 2 - 'C' passes.

ST, Mary's College, Mathugama
2000 - 2011

G.C.E. ORDINARY LEVEL EXAMINATION
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 | Eclipse | 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**

(2020)

➤ **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

(Present)

➤ **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**

(2020)

➤ **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**

(2020)

➤ **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

(2019)

➤ **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**

(2019)

➤ **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

(2019)

➤ **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

077-746-4000

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

Declaration

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

Date

Signature