

# Deshan Jayashanka

E-mail : [djayashanka750@gmail.com](mailto:djayashanka750@gmail.com)

Website: <https://www.linkedin.com/in/deshan-jayashanka-213359233/>

Phone : +94715827357

Address: Sayonara Textiles  
Main Street  
Kuruwita

## Profile

I'm a Software Engineering undergraduate, following a Bachelor of Science Honors in Information Technology in Software Engineering at SLTC. Also a young researcher with a major interest in, embedded systems, java related technologies, machine learning, cloud computing, Cybersecurity, IoT, and computer vision. I prefer self-learning over any other learning method and am always eager to learn something new. I'm eager to put my skills and talents to work in any area where they are needed.

## Education

2019 | G.C.E. Advanced Level (Bio Technology)

May, 2017 — Sep, 2019

Sivali Central College, Rathnapura

- Bio Technology with B pass
- Science for Technology with B pass
- ICT with C pass

BSc (Hons.) in Software Engineering

Feb, 2020 — Present

Sri Lanka Technological Campus (SLTC)

Current CGPA: 2.87

- Object Oriented Programming
- Communication Protocols and Models
- Business Analysis and Software Design
- Cloud Computing Fundamentals
- Mobile App Development etc.

Certificate in Advanced JAVA Programming

Jul, 2022 — Present

Sabaragamuwa University of Sri Lanka (SUSL)

I currently have the chance to build and enhance the programming and designing abilities necessary in a variety of professional settings.

## SKILLS

Java, Spring Boot, Java Script, HTML, CSS, Bootstrap, Python, Node.js, MySQL, mongo DB, Firebase, Git, Critical thinking and problem solving

# Further Education

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- Cloud Computing Applications, Part 1: Cloud Systems and Infrastructure – Coursera (2021)
- NDG Linux Unhatched English 0321b CGA - Cisco Networking Academy
- Introduction to Cybersecurity - Cisco Networking Academy
- Introduction to IoT - Cisco Networking Academy
- Intro to Programming – Kaggle
- GitHub Tutorial for Beginners - Great Learning
- Data Science 101 - Cognitive Class

## Projects

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### 2022 | IoT Smart Farming System

IoT smart farming solutions is a system that is built for monitoring the crop field with the help of sensors (light, humidity, temperature, soil moisture, crop health, etc.) and automating the irrigation system. This was created by using Java, python, MySQL and Java Swing framework.

### 2022 | LUNA AI CLI

A voice-activated virtual assistant. Similar to Apple's Siri, Amazon's Alexa, and Microsoft's Cortana, the Luna CLI gives contextual information and does tasks like home automation, news scraping, and a host of other things. Luna CLI uses artificial intelligence (AI) technologies including natural language processing (NLP) and machine learning (ML) to comprehend what users are saying, act on that language input, and recommend actions.

### 2022 | Doc Finder- Fast File Finder

Doc Finder is a free and open source desktop file search application. It runs on Windows and Linux and is written in Python. The application has a graphical user interface, which is written using the Standard PySimpleGUI.

### 2020 | Stock Auction with Socket Programming

A stock auction is an auction through which different traders can purchase particular securities (items) by bidding on them. Since the realistic stock auction process is quite complicated, you are required to implement a simplified version of this auction similar to regular open auctions (IPL, Ebay, etc.). This was created by using Java.

### 2021 | RFID Based Library System

This project helps to identify the large number of tagged books using radio waves. The database shows the availability of the book in the library so that the student can search in the database and if available, they can collect book from the library. It helps to handle the issue, renewal and return process via RFID tags easily.

### 2021 | Word Pad

A simple word processor that works with Java virtual machines is called Word Pad. With the use of a word processor, users may create and edit documents, add text in a variety of fonts and colors, examine them, and convert them to PDF files. You can write letters, stories, book reports, posters, and other straightforward documents using Word Pad. This was created by using Java and Java Swing

To more projects please view - <https://github.com/Deshan555>

