Deshan Jayashanka

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Profile

I am a Software Engineering undergraduate pursuing a Bachelor of Science Honors in Information Technology in Software Engineering at SLTC. As a young researcher, I have a passion for exploring a wide range of technological fields, including embedded systems, Java-related technologies, machine learning, cloud computing, web development, and IoT. My enthusiasm for self-directed learning has helped me to acquire a diverse range of skills and knowledge, and I am constantly seeking out new opportunities to learn and grow.

In particular, I am drawn to the ever-evolving landscape of web development and the potential for creating innovative and intuitive web applications. I also find great excitement in exploring cutting-edge fields like machine learning and cloud computing, where I see the potential for making meaningful contributions to the technological landscape.

I approach my learning with a deep sense of curiosity and a desire to understand the underlying principles and processes that drive technological advancement. I am always eager to collaborate with others in the field and to contribute my skills and talents to any projects or initiatives that can benefit from them.

Visit My Personal Portfolio Here : https://deshan555.github.io/Portfolio-DJ/

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: 3.17

- 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 — Jan, 2023**

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, PHP, HTML, CSS, C, Tailwind CSS, Bootstrap, Python, Intermediate JavaScripts, MySQL, mongo DB, Git, Critical thinking and problem solving

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Further Education

- 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

2023 | Social Media Site

This social networking program was created using PHP and gives university clubs and organizations the ability to create profiles, connect with students, upload posts, host events, and communicate with other users.

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 frameworks.

2022 | LUNA AI CLI

A voice-activated virtual assistant. Similar to Apple'sSiri, 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