SABESAN SATHANANTHAN

Undergraduate
Dept. of Computer Science and Eng.
University of Moratuwa.

Personal Info

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TECHNICAL SKILLS

Java ★★★★★

Python ★★★★★

Android Studio ★★★★★

MySQL ★★★★★

HTML5, CSS, SQL, Ubuntu OS

Unity3D, Windows OS

LANGUAGE SKILLS

English ★★★★★

Tamil ★★★★★

Sinhala ★★★★★

PERSONAL STATEMENT

Passionate and result driven personality with appetite for Software Architecture and Design, Web Development and Artificial Intelligence. I am willing to learn new things and get experience in research and development. I strongly believe in the fact that hard work and dedication lead to success. Seeking an internship to develop my skills and to start my career as a Developer.

EDUCATION

2016 – present **Bachelor of Computer Science and Engineering**
University of Moratuwa   (Moratuwa, Sri Lanka)
- Currently Studying at Semester 5

2013 – 2015 **Advanced Level Examination**
Jaffna Hindu College   (Jaffna, Sri Lanka)
- 3A's
- District Rank 28 (Z Score – 2.3168)

2010 – 2012 **Ordinary Level Examination**
Jaffna Hindu College   (Jaffna, Sri Lanka)
- 8A's and B

HONORS, AWARDS AND CERTIFICATES

- **Winner** (Group) - hackX 2018 organized by University of Kelaniya
- **Winner** (Group) - IEEE SS12 Pilot Competition organized by IEEE University of Moratuwa Student Branch
- **Asian Finalist** (Group) - IEEE SS12 organized by IEEE Education Society Madras Section
- **Finalists** (Group) - Yarl Geek Challenge 2018
- Participation (Group) - IESL-YMS Hackathon 2018 organized by IESL Young Member Society
- Participation (Group) - 4iR Hackathon organized by SLASSCOM

SKILLS

- Programming Languages: Java, Python, CSS, HTML, SQL
- Database: MySQL
- Framework: Bootstrap
- Version Control System: GitHub
- Operating System: Windows, Ubuntu
- Report writing: LaTex
- Technical Writing: medium.com/@sabesan96
- Critical Thinking

PROJECTS

- **Face Classification System (ongoing)** [Android Studio, Java, Face API, MySQL]
  Real time face detection and emotion detection system. The system to classify the emotions in given face imagery. E.g. happy face, sad face etc.

- **Arthrocure (2018)** [Unity3D, C#]
  An innovative game for Arthritis patients which involves user's physical movements as input to play the game. It helps to cure Arthritis through exercises. The user input is taken using Kinect Sensor. The user has to move his hands and legs in front of the sensor in order to move the avatar in the game.

- **Chatbot (2018)** [Node.js, Watson API]
  This chat bot is trained to answer question related to cricket. This is built by training the Watson API model. github.com/Sabesan96/chatbot

- **Supply Chain Management System (2018)** [Node.js, MySQL]
  A Database design for supply chain is developed as a part of the module CS3042 Database Systems. The company has a supply chain that uses the railway system to distribute their products to the customers island wide. To distribute orders from a store to a delivery address trucks are used. And also, there should be a schedule for the driver and the driver assistant to assign to a particular truck.

- **Nursery Management System (2018)** [HTML, CSS, PHP, MySQL]
  A system which connects the parents and the teachers in a nursery. It simplifies the education progress management in the nursery schools by having many features like viewing grades, applying online leaves, student attendance. github.com/Sabesan96/Nursery_Management

- **Nano Processor Design (2017)** [ISE Design Suite]
  This 4 bit nano processor which can execute 4 instructions was designed for the module CS 2052 Computer Architecture. It can add and subtract integers. It includes 4 bit add/subtract unit, 3 bit adder, 3 bit program counter, register bank, program ROM multiplexers and instruction decoder. The output can be visualized in a 7- segment.

- **Nozama Warrior Game Simulation (2017)** [Java]
  This simulation is done for the module CS2012 Principles of Object Oriented Programming. The main idea behind this project is to understand the basic principles of object oriented programming. github.com/Sabesan96/Nozama_Warriors

- **Step Climbing Robot (2017)** [Arduino]
  A step climbing robot was developed for the module CS1962 Engineering Skill Development.

EXTRA CURRICULAR ACTIVITIES

Clubs and Societies
- Secretary of Science Union - Jaffna Hindu College (2014/15)
- Treasurer of Debate Club - Jaffna Hindu College (2014/15)
- Member of Prefect board - Jaffna Hindu College (2014/15)
- Member of Gavel Club - University of Moratuwa (2017 - present)
- Member of Tamil Literary Association - University of Moratuwa (2016 - present)

Memberships
- Student Membership - Institute of Engineers Sri Lanka (IESL) (2017 - present)

Sports
- Member of Chess Team - Jaffna Hindu College (2014/2015)
- Member of Karate Team - University of Moratuwa - (2016-present)

Voluntary Activities
- Host of CSE Night organized by Department of Computer Science and Engineering, University of Moratuwa

REFERENCES

Dr. Uthayasanker Thayasivam
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