




Sabesan Sathananthan

Undergraduate

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



Personal Info

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Technical Skills

- Java ★★★★★
- React Js ★★★★★
- Python ★★★★★
- TypeScript ★★★★★
- HTML5, CSS, Redux-Saga,
- MySQL Database, Windows OS

Language Skills

- English ★★★★★
- Tamil ★★★★★
- Sinhala ★★★★★

Passionate and result driven personality with appetite for Software Architecture and Design, Full Stack 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.

Experience

- 2019-06 - **Intern – Software Engineer**
2019-12 Sysco LABS (PVT) LTD (Colombo, Sri Lanka)

Worked as an intern-software engineer in the food services domain primarily working on a project facilitating interaction between the business and external vendors. Gained experience in full stack development, test scenarios, test case writing with React Js, TypeScript, Redux-Saga, Jest, Enzyme, Chai, Mocha and Java.

Education

- 2016 – Present **Bachelor of Computer Science and Engineering**
University of Moratuwa (Moratuwa, Sri Lanka)
 - Currently Studying at Semester 7
- 2013 – 2015 **Advanced Level Examination**
Jaffna Hindu College (Jaffna, Sri Lanka)
 - 3A's (Combined Mathematics, Physics and Chemistry)
 - 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) - 4iR Hackathon organized by SLASSCOM
- Mahapola Higher Education Merit Scholarship granted by Government of Sri Lanka.

Projects

- **Extracting Information from Structural Documents** (ongoing) [Computer Vision, Machine Learning]
Extracting information from structural documents such as National Identity Card, Driving Licenses and Number plate. This is my final year project
- **Face Classification System** (2019) [Android Studio, Java, Emotion 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.
- **E-Farming** (2018) [PHP, Arduino, HTML, CSS, MySQL]
A complete IoT solution for farmers which uses moisture and pH sensors to get data from the fields and sends them via GSM to the cloud and gives real-time suggestions to the farmers to improve their efficiency in farming.
- **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/sabesansathananthan/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/sabesansathananthan/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/sabesansathananthan/Nozama_Warriors

Skills

- Programming Languages: Java, Python, TypeScript, JavaScript
- Database: MySQL
- Frameworks: Node.js
- Libraries: React Js, Redux-Saga
- Version Control System: GitHub
- Operating System: Windows, Ubuntu
- Report writing: LaTeX
- Technical Writing: medium.com/@sabesan96
- Critical Thinking

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

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