DINITH SHEHAN **JIFFRY**

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Detail-oriented, Motivated and responsible undergraduate seeking a position in a company which will utilize my skills.

PROJECTS

1ST YEAR

WEB SITE

We made a web site for a movie theater which the customer could use to purchase tickets for any of the movies that were currently being shown.

2ND YEAR

WEB APP

We made a Java web app for a train station which users could use to purchase and buy tickets online. I oversaw the handling of bookings. When the client bought tickets, I would make sure that the seats were allocated and that the total bookings do not exceed the number of seats available on that particular train on that date at that time, the customer could also cancel bookings provided there was more than three days to departure. System was a java web-app and was run on a virtual tomcat server along with a MySQL database.

STANDALONE HOTEL SYSTEM

We were asked to gather requirements from a client and build the system, we managed to secure the Royal Kandyan Hotel as our client. I oversaw the receptionist's section, and development was done using Java along with a MySQL database. (GitHub repo)

3RD YEAR

BUS TICKETING SYSTEM

A design document was provided, and we were expected to implement it. Project was built using react for the web frontend with Spring boot and MongoDB assisting as the backend. There was also an android app component. (GitHub repo)

FASHION STORE WEB-APP

Requirements were provided, and we had to develop the system using react for the front end along with a MongoDB database and a Spring boot backend. (GitHub repo)

FIRE ALARM MONITORING SYSTEM

We were asked to develop a fire alarm monitoring system, which would send out email and SMS alerts if the sensors detected smoke. This was built using React, Java, JavaScript and Kafka. (GitHub repo)

4TH YEAR

FITNESS MOBILE APP (RESEARCH PROJECT)

My section in our research, would track a user's lifestyle and then suggest changes they could make to become healthier. Tracking was done by obtaining sensor readings via a smartwatch and then using deep learning to predict the activity. The activities were then analyzed by the user's phone so that suggestions could be made. (GitHub repo)

TURTLEBOT MAZE NAVIGATOR

I was given a maze and had to design an algorithm for a Turtlebot to figure its way out. Maze was designed in Gazebo Simulator and the code was written in python using the ROS framework in order to send commands to the Robot. (GitHub repo)

WORK EXPERIENCE

02.2019 – 08.2019

LONDON STOCK EXCHANGE GROUP – MALABE

- Intern – Software Engineer

SOFTWARE SKILLS

- Java
- C++
- Python
- Dart
- React
- Spring Framework

- Android Development
- SQL
- CUDA, OpenMP and MPI
- Robot Operating System
- Django
- NodeJS

SKILLS

- Good Communication – Written and oral skills
- Excellent conceptual and analytical skills

- Effective interpersonal skills
- Fluent in English

PERSONALITY

- Punctual
- Creative

- Organized

COMMUNITY SERVICE

2009 – 2018
Member of St. John Ambulance Brigade – Kandy which involves in voluntary community service.
- International Certificate in First Aid (2009)
- Certificate in Home Based Care (2010)
- Provincial four-day Camp (2016)
- Provincial three-day Camp (2010)
- First aid Services for Sri Dalada Perahara (2016, 2015, 2013 and 2011)

2011
Participated in the Cancer Walk held by Sri Lanka Cancer Society (Kandy Branch)

OTHER ACHIEVEMENTS

- Passed Grade 5 Theory of Music (2011)
- Passed Grade 1 Piano (2009)
- Second place by the school team that took part in the National Titration Competition conducted by Institute of Chemistry Ceylon (2015)
- Certificate in Personal and Professional Development from American College in Higher Education (2016)
- Certificate in Java Programming from American College in Higher Education (2016)
- Diploma in English – Level 3 from American College in Higher Education (2015)
- Certificate in Public Speaking from American College in Higher Education (2016)
- Runner up of the Annual Table Tennis Tournament held by Sussex College Network (2010 and 2011)
- Certificate in Specialized skills Training held by ASPIRE (2011)
- Member of the Science Society and Interact club of Dharmaraja College (2013 – 2015)