Carlton Rodrigues

Software Developer and Engineer

Phone: +919611162690

Address: Vini Gardens bldg. no. 1, D'silva wadi, Mandpeshwar Road, Borivali(W), Mumbai - 400103

Email: carlton_rodrigues21@outlook.com

Career Objective:

To contribute my skills and knowledge towards sustainable development of computer technology.

WORK EXPERIENCE

Oman Computer Services L.L.C.
Jan 2019 - Feb 2019

IT infrastructure/Networking Intern

Worked along with a team of two network engineers. I overlooked all the technical work they did for a major telecommunication company called Omantel.

Kakunje Software Pvt. Ltd.
6th Jan 2018 - 25 Jan 2018

Intern

Created an autonomous irrigation system using a raspberry pi.

I was responsible for interfacing the sensors using python and also calibrated the system to optimize performance.

Gained experience in embedded system design and software.

EDUCATION

St. Joseph Engineering College
2015 - 2019

B.E. in Computer Science and Engineering

Completed all semesters in with a CGPA of 6.69

Indian School Muscat
completed 2015

Secondary/High school

- Under-Graduate (12th) with Computer Science securing 75%.
- Completed 10th grade securing 81%

TECHNICAL SKILLS

Languages:

- Python, SQL, HTML5, C/C++, PHP
- Ruby, Java, JavaScript

Software & Technologies:

Development Tools: NetBeans IDE, Android Studio, Arduino IDE, Codeblocks IDE with freeglut.

Database: MySql, Sqlite3, Oracle 10g.

Platforms: Microsoft Windows, Ubuntu 16.04.

EXTRA-CURRICULAR

President of Computer Science Association - Cipher.

Presentation on Artificial Intelligence during IEEE CSE Ignite.

Organised a Coding Contest for IEEE CSE.

Active participation in the College Maker Space.

PROJECTS

Emotia - Mental Health Assessment Tool

A software tool to diagnose the mental health of a person, using Machine Learning Concepts like Convolutional Neural Networks and Support Vector Machines.

I was responsible for building the Tone and Facial expression analysis models

Alexa Automation for Hackathon

Developed a Robot System and a Security System which was controlled by voice using the Amazon Alexa.

I was responsible for coding and testing the system.

Canteen Management System

Created Web application using JSP framework and Oracle 11G Database Management System. Inserting, Updating and Deleting features provided.

I was responsible for the design of the backend.

Computer Graphics using Freeglut Library

Successfully created a Simulation of the working of WLAN using the freeglut library of Open GL using C++

Improved my coding and imagination capability

I was responsible for coding the animated scenes

Blog Website using Django Framework

Used the Django framework in Python to create a basic blog page using SQLite.

I was responsible for setting up the database interactions and doing some front end work.

8*8*8 Led Cube

Created a 3-dimensional display using a total of 512 LED's. Used concepts of electronics and embedded programming.

I played a role in the development of the code using **Embedded C.**

Company Website Mini Project

Design and Developed a website for a company using HTML5, Bootstrap, JavaScript, PHP and SQL.

I was responsible for the backend functionality.

INTERESTS

- **Computer Science**
- **Robotics**
- **Basic Electronics**
- **AI**
- **Music**
- **Video Games**