# HAFEEZ ALI A

+91 861 863 6433 ⬦ **hafeez.ali5@gmail.com** ⬦ **GitHub** ⬦ **LinkedIn**

## EDUCATION

**B.Tech in Information Technology** July 2015 - May 2019
National Institute of Technology Karnataka, Surathkal
CGPA: 9.03

**Pre-University (PU Board Karnataka)** May 2013 - March 2015
RV PU College, Bangalore, Karnataka, 96.8%

**Class X (KSEEB SSLC Board)** May 2012 - April 2013
Sudarshan Vidya Mandir, Bangalore, Karnataka, 97.6%

## EXPERIENCE

**Developing a Microservice and a Messaging Application** 7th May 2018 - 13th July 2018
*Goldman Sachs*

· Objective : To develop a microservice which accepts data via REST endpoints, performs certain processes on the data and publishes the data to a message broker.
· The service was developed as a RESTful web-service using Java's Dropwizard framework. The message broker was developed using RabbitMQ, an open-source message broker software.

**Automation Of Hardware Testing** 8th May 2017 - 14th July 2017
*Robert Bosch Engineering and Business Solutions Private Limited*

· Objective : Automation of hardware testing using a windows application interface
· Used Visual Basic for Applications to develop a program which classifies the concerned data in a template and also generates scripts used for automation of hardware testing.

## PROJECTS

**A Google Glass Based Virtual Assistant for the Visually Impaired** August 2018 - May 2019

· Developed an application on Google Glass which describes the scene in-front of the user and identifies the objects in them.
· Have developed an audio-based interface, focusing on the visually impaired.
· Tested the application on the visually impaired students and teachers at the "Roman and Catherine Lobo School for the Visually Impaired, Mangalore, Karnataka".

**Malware-Classification [hafeezali/Malware-Classification]** January 2018 - March 2018

· Performed static analysis of android apks to abstract opcode sequence.
· Experimented with various CNN architectures to solve the problem of classifying apks as malign and benign.
· Used Python and Tensorflow framework for development.

**Event Management System [hafeezali/Event-Management-System]** January 2018 - March 2018

· Developed a website for event registration and management.
· Users of the system can register their events or buy tickets for attending other events.
· Followed software engineering design principles for the development and testing of the website.
· Used Python and Django framework for building the website.

**Parallel Decision Tree Classifier [hafeezali/PDTC]** September 2017 - November 2017

· Implemented a parallel version of the decision tree classifier algorithm in CUDA, OpenMP and MPI.
· Did an extensive analysis and comparison of the serial algorithm with the parallel version.

**Desktop Controller [hafeezali/officeMonitor]** February 2017 - April 2017

· Developed a remote desktop application following object oriented design principles in Java.
· Includes an asynchronous two person chat and a file transfer mechanism

## OTHER PROJECTS

· **Basic Interpreter [hafeezali/Basic-Interpreter]** - A recursive descent parser and semantic analyzer which supports boolean expressions, if-else statements and inline functions.
· **E-governance System [hafeezali/E-governance]** - A BASH script for user and task management.

## ACADEMIC ACHIEVEMENTS

· Secured AIR 7059 in JEE Advanced 2015
· Secured AIR 8707 in JEE Mains 2015
· Secured a rank of 228 in KCET 2015 (Karnataka Common Entrance Test)
· Secured 1st rank for school in 10th exam.

## TECHNICAL SKILLS

· Languages: C,C++,Java,MySQL
· Web Development: HTML,CSS5,Dropwizard
· Script: Python
· Tools: RabbitMQ, IntelliJ, NetBeans, Android Studio
· Parallel Programming: CUDA, OpenMP
· Frameworks: Django, Tensorflow, Bootstrap

## POSITIONS OF RESPONSIBILITY

· Computer Science SIG head of IET NITK
· Executive member of IET NITK

## OTHER ACTIVITIES

· Conducted a summer mentorship programme for 1st year students in the field of **Data Structures**.
· Contributed to the front-end development of a new college website by being a part of the NITK Website Team.