

HAFEEZ ALI A

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EDUCATION

B.Tech in Information Technology National Institute of Technology Karnataka, Surathkal CGPA after six semesters: 8.96	July 2015 - May 2019
Pre-University (PU Board Karnataka) RV PU College, Bangalore, Karnataka, 96.8%	May 2013 - March 2015
Class X (KSEEB SSLC Board) Sudarshan Vidya Mandir, Bangalore, Karnataka, 97.6%	May 2012 - April 2013

EXPERIENCE

Developing a Microservice and a Messaging Application <i>Goldman Sachs</i>	7th May 2018 - 13th July 2018
<ul style="list-style-type: none">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 <i>Robert Bosch Engineering and Business Solutions Private Limited</i>	8th May 2017 - 14th July 2017
<ul style="list-style-type: none">Objective : Automation of hardware testing using a windows application interfaceUsed 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

Malware-Classification [hafeezali/Malware-Classification]	January 2018 - March 2018
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
- APIs: 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.