

# ANISH BADRI R S

## CS Enthusiast

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## EXPERIENCE

### Google India Pvt Ltd

#### Software Engineering Intern

May 2019 – July 2019

Bangalore

- Worked in Google Apps team to create a bridge between Index Pagination and Token Pagination for the list users API call provided in Google Admin Console

### Freshworks Inc

#### Software Developer Intern

May 2018 – July 2018

Chennai

- Integrated the flagship product of Freshworks(Freshdesk) with third party applications using Freshworks SDK running on NodeJS

## PROJECTS

### Command Line Tools for Codeforces

Built multiple command line tools to perform functions such as problem recommendation, downloading sample input & output, fetch unsolved virtual contest list and recent list of problems solved for the online judge, Codeforces. The tools were built on Python3 using BeautifulSoup and Codeforces API

### Boolean Satisfiability(SAT) Solver

Devised an application to determine if there exists an assignment of variables that satisfies a given Boolean formula. The given expression is converted to CNF form using Tseytin Transformation and is solved using the DPLL algorithm with optimizations such as 2SAT and HORNSAT

### MFOTL to LTL

Worked on a command line based tool to reduce an unbounded model checking problem to a bounded model checking problem as an extension to NuSMV. This is facilitated by converting a MFOTL Formula into a LTL formula.

## CERTIFICATIONS

### Design and Analysis of Algorithms

#### NPTEL

Jul 2017 – Sep 2017

Chennai

- Overall Exam Score : 81%
- Top 5% in the nation

### Model Checking

#### NPTEL

Jul 2017 – Oct 2017

Chennai

- Overall Exam Score : 84%

### Programming, Data Structures and Algorithms using Python

#### NPTEL

Jan 2017 – Mar 2017

Chennai

- Overall Exam Score : 81%

## EDUCATION

### B.E. Computer Science

#### SSN College of Engineering

Aug 2016 – May 2020

GPA: 7.8

## PROGRAMMING LANGUAGES

C++

C

Linux Shell Script

Python

TeX

HTML/CSS



## TECHNOLOGIES

STL

Git

JSON

SQL

Z3

Socket Programming(in C)

## OTHER SKILLS

Data Structures

Algorithms

Propositional Logic

Model Checking

Boolean SATisfiability

## MOST PROUD OF



### ACM ICPC 2017

Qualified for Asia Regionals Kharagpur



### ACM Chennai Provincial Contest '17

Ranked 4th



### eXLog Math Quiz 2019

Won first place in the inter-college math quiz conducted by SSN



### Facebook Hackercup

Qualified for Round 2



### Programming Contests

Have won several programming contests in various college technical symposiums



### Indian National Olympiad in Informatics

Qualified for INOI by clearing ZIO (2016)

## ORGANIZATIONS

- Association for Computing Machinery(ACM)
- SSN Coding Community