

# Sachin Chandani

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## EDUCATION

### IIIT-HYDERABAD

B.TECH. IN ELECTRONICS &  
COMMUNICATIONS  
Grad. 2020 | Hyderabad, India

## PROFILES

Codechef:// [blue\\_legend\(4-Star\)](#)  
Codeforces:// [Heisenberg\(Expert\)](#)

## ACHIEVEMENTS

### PROGRAMMING CONTESTS

- One top-10 and Two top-25 finishes in Codechef's Monthly Contests (Global)
- 10th place(global), Amdocs Hackfest 2019 online round.
- 12th place(global), Annual Programming Competition by IEM, Calcutta.
- 59th place(global), Annual Programming Competition by IIIT, Allahabad.
- 244th place(global), Codechef's Snackdown'17.

### GOOGLE KICKSTART

- 336th rank in 2018 round-F.
- 362nd rank in 2019 round-E.

### ACM-ICPC 2018

- Member of team TooManyBugs which secured 445th position overall and 283rd position in Amritapuri region.

## SKILLS

- C/C++(STL) • Python • Bash
- JavaScript • Node.js • Flask
- HTML5 • jQuery • CSS3 • Bootstrap
- MySQL • NoSQL • ReactJS
- Wordpress • MATLAB • Unity 3D
- Git • Linux
- ARM Micro-controllers • Digital VLSI

## COURSEWORK

Data Structures, Algorithms, Linear Algebra, Graph Theory, Discrete Maths, Probability and Random Processes  
Operating Systems, Computer System Architecture, Computer Networks, Computer System Architecture, Game Design & Engineering

## EXPERIENCE

### GOLDMAN SACHS PVT. LTD. | SUMMER INTERN

May 2019 – July 2019 | Bengaluru, India

- Worked on development of greedy/dynamic/linear programming based solutions to generate funding trade proposals with minimized cost.
- Parallelized the existing processes using threading and divide & conquer, and produced the results 18 times faster than previous methods.
- Developed & deployed an interactive web application to visualize large financial data sets efficiently.
- Technologies used: NoSQL, MySQL, JavaScript, Slang, Linear Optimizations, Distributed Systems.

### IIIT-HYDERABAD | WEB ADMINISTRATOR, QUERY FORUM

April 2018 – May 2019 | Hyderabad, India

- Maintained frontend and backend of an interactive website for the freshers' to get clarifications for their queries.
- Implemented features like comment sections, chat boxes and bulletin pages.
- Technologies used: Node.js, Wordpress, HTML5, CSS3, Python.

### IIIT-HYDERABAD | ALGORITHMIC PROBLEM SETTER, BUZZ CODECRAFT

August 2017 – September 2017 | Hyderabad, India

- Successfully created and tested original algorithmic problems in the annual programming competition organized by IIIT-Hyderabad.[codeforces.com]

## PROJECTS

### WEB READER(ONGOING) Java, Node.js, NLP, Perl

A foreign language web reader to display Sanskrit in alternate scripts, word stems, morphological and lexical identification, translation, and notes.

### CAMSCANNER Node.js, Python, OpenCV, SQL

CamScanner like automated document detection and cropping over a plane background.

### LINUX SHELL C, Operating Systems

A linux like shell developed purely in C with all command sets and piping features implemented and tested.

### TWITTER SENTIMENT ANALYSIS NLP, Python, JavaScript, HTML

Sentiment analysis of latest tweets to create a heat-map using developer keys and NLP libraries.

### HEART RATE MONITORING MATLAB, Python, Bash

Uses PPG, ECG and Acceleration Signals to monitor heart rate with Signal Decomposition, Spectrum Peak Tracking and Sparse Signal Reconstruction.

### SHAPE PLOTTING C(embedded), Bash, Arduino UNO

Shape Plotting System which can plot 3 dimensional view of any object in x-y-z Cartesian system. The output can be used to for development purpose i.e. input to a 3D printer.

### BOMBERMAN GAME Python, Bash

UNIX terminal game based on original BOMBERMAN, purely developed in python without using any external libraries and having multiple difficulty levels.