

Sachin Chandani

<https://www.linkedin.com/in/sachin-chandani-2687b4164/>
sachinchandani97@gmail.com | +91 9587712264

EDUCATION

IIIT-HYDERABAD

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

ACHIEVEMENTS

PROGRAMMING CONTESTS

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

GOOGLE KICKSTART

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

ACM-ICPC 2018

- Member of team **TooManyBugs** which secured **445th position** in ACM-ICPC 2018 online round.

PROGRAMMING PROFILES

Codechef:// **blue_legend(4-Star)**
Codeforces:// **Heisenberg(Expert)**

SKILLS

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

COURSEWORK

Data Structures & Algorithms , Linear Algebra, Discrete Maths , Probability and Random Processes, Operating Systems , Digital Processors , Computer System Architecture, Computer Networks Game Design & Engineering, Engineering Systems , Digital Signal Processing

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

- Implemented features like comment sections, chat boxes and bulletin pages in an interactive web-application.
- 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.[link]

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.