

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 **LiteLo** which secured **367th position** in **ACM-ICPC 2019 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.