Sachin Chandani

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EDUCATION

IIIT-HYDERABAD
B.Tech. in Electronics & Communications
Grad. 2020 | Hyderabad, India

PROFILES

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

ACHIEVEMENTS

ACM-ICPC 2018
• Member of team TooManyBugs which secured 445th position overall and 283rd position in Amritapuri region.
PROGRAMMING CONTESTS
• One top-10 and Two top-25 finishes in Codechef's Lunchtimes.
• 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.
PROBLEM SETTING
• Successfully curated and tested algorithmic problems in the annual programming competition organized by IIIT-Hyderabad.[codeforces]

SKILLS

• C/C++(STL) • Python • Bash
• JavaScript • Node.js • Flask
• HTML5 • jQuery • CSS3 • Bootstrap
• MySQL • NoSQL
• 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

EXPERIENCE

GOLDMAN SACHS PVT. LTD. | Summer Intern
May 2019 – July 2019 | Bengaluru, India
• Worked on development of greedy/dynamic/linear programming based solutions to reduce the financial inefficiencies in internal contracts and minimize the firm's cost.
• Parallelized the deal selection algorithms using Divide & Conquer to produce the results 18 times faster than the previous methods.
• Developed & deployed a web platform to efficiently query and visualize financial data.
• Improved the query time of SQL queries by dynamic programming caching the data stats.
• Technologies used: NoSQL, MySQL, JavaScript, Slang, Linear Optimizations.

IIIT-HYDERABAD | Web Administrator, Query Forum
April 2018 – May 2019 | Hyderabad, India
• Maintained frontend, backend and server of an interactive website for the freshers' to get clarifications for their queries.

MERAK.AI | Full Stack Developer
July 2018 – July 2018 | Remote
• Dashboard development for state-of-art machine learning products using Node.js.
• Maintaining company's website, adding features, writing APIs, unit testing and bug fixing.

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.