

Shubham Singh

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EDUCATION

**GURU GOBIND SINGH
INDRAPRASTHA UNIVERSITY
(GGSIU), NEW DELHI**
BTECH IN COMPUTER SCIENCE
Aug 2017 - May 2021
CGPA: 8.5/10

GOLDEN HEART ACADEMY
SENIOR SCHOOL (XII CBSE)
May 2016 | 91%
HIGH SCHOOL (X CBSE)
May 2014 | 95%

LINKS

Codechef:// [shubhsting](#)
Github:// [shubhsting](#)
LinkedIn:// [shubh-singh](#)
HackerRank:// [shubhsting](#)
Medium:// [shubhsingh](#)
YouTube:// [TrainYrBrain Troops](#)
LeetCode:// [shubhsting](#)

SKILLS

PROGRAMMING

- Java

DEVELOPMENT

- HTML • CSS • JavaScript • Node.js
- Familiar Libraries/frameworks:
- JQuery • Cheerio • Bootstrap
- Electron • Canvas • Socket I/O

ACHIEVEMENTS

- Codechef 4 star (Rating 1857)
- HackerRank 5 star
- HackerEarth Rating (1551)
- Secured 3rd position among 4000 students across Delhi in 24 hr hackathon HackVSIT 2020
- 15+ Youtube video lectures on advance algorithms like Dynamic Programming and Graphs with viewing time of more than 3000 minutes.

CERTIFICATIONS

Data Structures
HackerRank Problem Solving(Basic and Intermediate)
Object Oriented Programming
Data Base Management System
Web Development using Node.js

EXPERIENCE

TRAINYRBRAIN | LEAD INSTRUCTOR |

March 2020 – Sep 2020 | New Delhi, India

- mentored and instructed more than 200 students across different colleges by teaching them Data Structures using JAVA across 2 different batches basic and advanced respectively.
- conducted more than 30+ workshops across different colleges to teach students for free and intrigue them towards coding.

PRECISELY | SOFTWARE ENGINEER INTERN

May 2019 – Aug 2019 | New Delhi, India

- Worked with the Precisely Front End team, to design and develop the portals of quizzes that were conducted by the organization by laying the basic design requirements and ensuring them.
- communicate all the finalized front end layout to back end team and render the faulty codes for smooth functioning of applications.

PROJECTS

PROFILE STALKER (STOPSTALK CLONE)

- Used Web scrapping/harvesting technique using request and cheerio modules of Node.js to extract scrapped data from profiles of entered usernames of 6 portals namely codechef, leetcode, Codeforces, GFG, github and hackerearth.
- The proposed method reflects whole scrapped information that can be used to analyze performances of a candidate on these platforms and later could be used for further purposes.

EXCEL CLONE

- Contemplated a novel approach for achieving the functionalities of Microsoft Excel using Electron framework and JQuery library of Node.js.
- The contemplated approach justifies the internal working of Excel with the application of graph and recursion algorithms working together to fetch results of formula operations and how finalized excel sheets can be saved and generated using Node.

OPENBOARD

- Employed canvas API to implement 5 features of openboard namely draw, erase, save, undo and redo. The application also used slim implementation of Socket I/O that broadcasts the operations of user to all clients currently active on that board via server.
- The proposed clone application clarifies the algorithms operating behind the application and how sockets can render the whole information to multiple clients.

STRING LEMMATIZER USING TRIE

- Enacted String lemmatization with the help of Tries by first implementing add function to add large set of data and then conventional optimized search operation to fetch results of queries.
- The enacted process explicate the optimized algorithm behind word searches or prefix searches on a large set of data extracted from a source or manually generated data and can be used to process certain set of String key via an optimized approach.