Rohan Singla
Jalandhar, Punjab

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○ GitHub Profile
in LinkedIn Profile
⊕ Portfolio Website

EDUCATION

•**Dr. BR Ambedkar National Institute of Technology, Jalandhar** — *Expected - 2024*
B.Tech in Electronics and Communications Engineering — Current CGPA: 8.21

•**MSD Senior Secondary School, Bathinda** — *2020*
Punjab School Education Board — Percentage: 94%

•**Sacred Heart Convent School** — *2018*
Punjab School Education Board — Percentage: 92.7%

TECHNICAL SKILLS AND INTERESTS

Languages: C, C++, Python, HTML/CSS, SQL
Developer Tools: VS Code, Git, LaTeX, Selenium for Web Scraping, Linux
Coursework: OOPs, DSA, Operating Systems, DBMS, Microprocessors, Digital Electronics

PERSONAL PROJECTS

• **Maze Solver (link)**
An interactive Pathfinder visualizer

- Tools & technologies used: Python, Pygame
- A user-friendly pathfinding visualization tool implementing various algorithms for pathfinding allowing users to interact with the GUI to create custom maps, and analyze and compare the performance of the algorithms on various map configurations in real-time.
- Algorithms as of now: BFS, DFS, Djikstra's, A* and Greedy Best Search (with Heuristic functions)

• **CodeGround (link)**
An online IDE for HTML/CSS and JS.

- Tools & technologies used: HTML/CSS, Javascript
- A minimalist online editor with support for HTML/CSS and Javascript for live code editing and preview option. Users also have the option to export their code.

• **Personal Portfolio Website (demo) (link)**
A Portfolio website displaying all of my attributes.

- Tools & technologies used: HTML/CSS, Javascript

• **CLI Jukebox - Music from CLI (link)**
To play music directly from the command line input

- Tools & technologies used: Python, Selenium, Batch Script
- Developed a command-line project enabling music playback from the command line input, leveraging Selenium for seamless audio streaming. With a focus on simplicity and convenience, it offers a hassle-free way to access and play a wide range of songs without the need for external tools or APIs.

ACHIEVEMENTS

• **Codechef Peak Rating: 1823 (4 star)** Codechef profile: https://www.codechef.com/users/singlarohan

• **Leetcode Rating: 1865, Knight Badge** Leetcode profile: https://leetcode.com/profile
(Leetcode repo link: https://github.com/singlarohan/leetcode_sol)

• **Ranked in top 1.4% among 13 lakh** in the JEE Mains 2020 Examinations

• **Global Rank 851** in Leetcode Biweekly Contest 111

• **Over 850 Problems Solved** across various Coding Platforms

LANGUAGES

English : Full Professional Proficiency
Hindi : Native or Bilingual Proficiency
Punjabi : Native or Bilingual Proficiency