

Rohan Singla

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🐙 GitHub Profile

🌐 LinkedIn Profile

OBJECTIVE

Seeking a Software Development Engineer (SDE) role in a company that values technical expertise and fosters innovation. Utilizing my strong programming skills and passion for coding, I aim to contribute to the organization's success by delivering impactful software solutions. Committed to continuous learning and growth, I strive to excel in a collaborative and dynamic work environment.

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, JavaScript, SQL

Developer Tools: VS Code, Git, L^AT_EX, Selenium for Web Scraping, Linux

Coursework: OOPs, DSA, Operating Systems, DBMS, Microprocessors, Computer Architecture, 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, Dijkstra'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>
- **Over 650 problems solved on leetcode** 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

LANGUAGES

English : Full Professional Proficiency

Hindi : Native or Bilingual Proficiency

Punjabi : Native or Bilingual Proficiency