

# Rohan Singla

Jalandhar, Punjab

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🐙 GitHub Profile

🌐 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%

## EXPERIENCE

- **Samsung Research Institute India (SRI-N)** *Jan 2024 - Present*  
*Research & Development Engineer Intern* Noida

## TECHNICAL SKILLS AND INTERESTS

**Languages:** C, C++, Python, Java, HTML/CSS, SQL

**Developer Tools:** VS Code, Git, L<sup>A</sup>T<sub>E</sub>X, Selenium for Web Scraping, Linux

**Coursework:** OOPs, DSA, Operating Systems, DBMS, Computer Networks, Microprocessors, Digital Electronics

## PERSONAL PROJECTS

- **LogLma - Log Analyzer (link) (demo)** *Flipkart Grid 5.0: August 2023*  
*An tool for Compliance check of logs given a set of rules.*
  - Tools & technologies used: Python, LLM: Falcon-7b, Hugging Face
  - Developed a Logs Analyzer using Falcon-7b LLM to ensure compliance with given standards.
  - Enabled parsing of diverse file formats (CSV, PDF, TXT, JSON).
  - Automated breach detection, providing actionable solutions to enhance data security and compliance.
- **CLI Jukebox - Music from CLI (link)** *May 2023*  
*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, using Selenium for seamless audio streaming. A simple and convenient tool that offers a easy way to access and play a wide range of songs without the need for external tools or APIs.
- **Maze Solver (link)** *April - May 2023*  
*An interactive Pathfinder visualizer*
  - Tools & technologies used: Python, Pygame
  - A pathfinding visualization tool implementing various algorithms for allowing users to interact with the GUI to create custom maps, and analyze and compare the performance of the algorithms on various "mazes" in real-time.
  - Algorithms as of now: BFS, DFS, Dijkstra's, A\* and Greedy Best Search (with Heuristic functions)
- **CodeGround (link)** *December 2022*  
*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.

## POSITIONS OF RESPONSIBILITY

- **Team Lead, Flipkart Grid 5.0** *August - September 2023*
- **Competitive Programming Lead, at Developer Students Club, NITJ** *May 2022 - Dec 2023*

## ACHIEVEMENTS

- **CodeForces Rating: 1613, Expert** CodeForces profile: <https://codeforces.com/profile/singlarohan>
- **CodeChef Rating: 2119, 5 star** CodeChef profile: [https://www.codechef.com/users/singla\\_rohan](https://www.codechef.com/users/singla_rohan)
- **Leetcode Rating: 2200, Guardian Badge** Leetcode profile: [https://leetcode.com/singla\\_\\_rohan](https://leetcode.com/singla__rohan)
- **Global Rank - 28** in CodeChef Starters 120
- **Global Rank - 177** in CodeForces Round 923
- **Ranked in top 1.4% among 13 lakh** in the JEE Mains 2020 Examinations