

# Raghav Goel

Portfolio: [termi-portfolio-raghav2130.vercel.app](https://termi-portfolio-raghav2130.vercel.app)

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## EDUCATION

- **Deenbandhu Chhotu Ram University of Science and Technology**  
*Bachelor of Technology - Electronics and Communications Engineering; GPA: 7.2;* Sonipat, India  
October 2020 - June 2024
- **Dyal Singh Public School**  
*Senior Secondary;* Panipat, India  
April 2017 - March 2019

## SKILLS SUMMARY

- **Languages:** C++, JavaScript, Python, Bash
- **Frameworks:** less, Reactjs, Redux, Webpack, NumPy, Pandas
- **Tools:** Git/Github, VScode, NEOVIM, MongoDB, Docker
- **Platforms:** Linux(Arch based) with dwm, Web, Windows 11, Github
- **Soft Skills:** Project Management, Public Speaking, Time Management, Leadership.

## PROJECTS

- **Enigma:** This project is a software implementation of the Enigma machine used by the Germans in World War II. Built in Python, using class based structure, to implement Encryption Mechanism and small interface to just encrypt the letters with Enigma's Encryption. [LINK](#)
  - It works on an electromechanical rotor mechanism that scrambles the 26 letters of the alphabet.
  - I am hoping to improve it someday on the GUI part.
- **ShalimarVault:** I created a Local Password Manager, with this one can store their passwords of different websites or any account in their local machine. It is built in Python and MongoDB. Key features: [LINK](#)
  - It uses PBKDF2 to derive a 256 bit key from the 'MasterPassword' and 'Device Secret'.
  - This key is then used for Encryption as well as Decryption through AES256 of all the Passwords which the user wants to store
  - It can run on any operating system which has Python and MySQL Database installed.

## ACHIEVEMENTS AND HONORS

- Solved over 200 problems on Leetcode, continuously for three months. [PROFILE](#)
- 5 stars on HackerRank in C++ and 4 stars in C. Profile: [PROFILE](#)

## CERTIFICATIONS AND OTHER EXPERIENCES

- **Hackerrank Problem Solving (Basic and Intermediate):** I have secured The HackerRank certifications, I solved 3 coding problems each in achieving them, I solved them in C++ and Python, Had knowledge of DSA which got me these certifications.
- **Hackerrank MySQL:** I have secured The HackerRank certifications, I solved 3 coding problems of the certification, I solved them in MySQL, knowledge of set and different sorting methods helped me getting this certification.