

# RIYA PATEL

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github.com/iamriyapatel

## Summary

Cyber Security and Software Engineering student skilled in Python, C++, Java, and SQL, with proficiency in security tools such as Nmap, Wireshark, and Metasploit. Experienced in developing innovative projects and passionate about ethical hacking and digital forensics.

## Skills Summary

- **Programming Languages:** Python, HTML, CSS, JavaScript, C, SQL, C++, Java
- **Tools and Technologies:** MySQL, Nmap, Wireshark, Metasploit, FTK Imager
- **Soft Skills:** Synergistic Collaboration, Empathetic Reasoning, Resilient Mindset, Tenacious Problem-Solving

## Education

### Lovely Professional University

August 2022 – July 2026 (*Expected*)

B.Tech in Computer Science and Engineering (Cyber Security Minor)

- CGPA: 5.74

- Relevant Courses: OOPS, DSA, Computer Networks, Ethical Hacking, Cyber Security Fundamentals

### Trident Public School

May 2019 – March 2021

Senior Secondary (67.4%)

- Courses: Mathematics, Chemistry, Physics, Fine Arts

### DAV Public School

April 2015 – March 2019

Secondary (62.5%)

- Courses: Mathematics, Science, English, Social Science

## Projects

### Lyrics Finder Web Application

January 2025

Implemented a robust search feature allowing users to find lyrics by entering song titles or artist names. Integrated with an external lyrics API to fetch and display lyrics dynamically. Deployed the application on Vercel, facilitating seamless access and scalability.

Tech: Vite, React.js, API, HTML, CSS, GitHub, Vercel

### Sudoku Visualizer

July 2024

Built an interactive Sudoku puzzle solver and visualizer using algorithms to display the puzzle-solving process step-by-step. Implemented a backtracking algorithm in JavaScript to solve Sudoku puzzles efficiently.

Tech: HTML, CSS, JavaScript, C++, DSA, GitHub

### Event Management System

December 2022

Developed a web-based application designed to streamline the planning and management of events. The system allows users to create, organize, and manage various event-related tasks through an intuitive interface. Enabled users to create new events, specifying details such as event name, date, location, and description.

Tech: HTML, CSS, JavaScript, GitHub

## Experience

### Community Development Project

June - July 2023

Volunteered as a teacher for underprivileged children as part of a Free Education initiative. Conducted engaging lessons, designed interactive learning activities, and organized workshops to improve basic literacy and scientific understanding.

## Certifications

- Digital Forensics Essentials (DFE) – EC-Council — *November 2024*
- Ethical Hacking Essentials (EHE) – EC-Council — *October 2024*
- Data Structures and Algorithms (Self-Paced) – GeeksforGeeks — *July 2024*
- CompTIA Linux+ XKO-005 – Cybrary — *April 2024*
- Mastering Data Structures and Algorithms using C and C++ – Udemy — *July 2023*
- Explore a Career in Front-End Web Development – LinkedIn — *February 2023*