# TRISHNA TIWARI

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in LinkedIn  ⓞ Github  LeetCode  CodeForces  CodeChef

## Education

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|---|---|
| **B.Tech In Computer Science and Engineering (Data Science)** | **2022-2026** |
| *Sardar Patel Institute of Technology* | *Mumbai* |

**CGPA:8.75**

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|---|---|
| **Higher Secondary School Certificate** | **2022** |
| *Prakash Junior College* | *Mumbai* |

**Percentage:-85.4%**

## Experience

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|---|---|
| **Tata Consultancy Services(TCS)** | **December 2024 – February 2025** |
| *Cyber Security Intern* | *Mumbai, Maharashtra* |

- **Gained** hands-on experience in enterprise vulnerability management by **identifying** and **exploiting vulnerabilities** such as **SQL Injection, XSS, CSRF, CORS**,broken authentication, and improper access control.
- Performed manual **testing** to **validate** automated scan results,crafted **custom payloads**, and **bypassed** common security filters, with the help of **BurpSuite**, **SQLMap,PortSwigger**.
- **Worked** with **Kali Linux** to work with inbuilt tools,using techniques like **Google Dorking** for information gathering and security assessment.

## Skills

**Programming Languages**:C++,Java,Javascript
**Databases**:SQL,Firebase,MongoDB
**Frameworks**:  ReactJS,NodeJS,Express,Tailwind
**Tools & Platforms**:GitHub,VS Code, Postman, Linux (Kali/Ubuntu)
**Machine Learning**:Numpy,Pandas,Matplotlib,Scikit.

## Projects

**Jodi Junction** | *ReactJS,Firebase,Javascript,Css*                                    [Github]
- Built a **Wedding Management System** with secure **user authentication** using Firebase,to enhance planning and reduce costs of wedding management.
- Implemented a shopping cart,todo list to minimize last minute chaos and a budget filter for improved budgeting.
- Made a **realtime chat application** using React and Firebase for easier contact with vendors,a **map** using leaflet for easy exploration of vendors.

**YOROKOBI** | *NodeJS,MongoDB,Express,ReactJS,Javascript,Tailwind*                      [Github]
- Yorokobi is an innovative **restaurant queue management system** that provides **real-time updates**, enables **remote queue joining**, wait time updation, and allows customers to submit reviews and ratings.
- Did user authentication using **JWT**,preventing unauthorized access and mitigating risks of session hijacking and token tampering.
- Integrated **restaurant API** with MongoDB and added **dynamic queue handling** based on customer arrival time and alloted duration based on number of guests.
- Built a Leaflet-based **map with Geolocation API** to locate nearby restaurants to user and navigate via Google Maps.

**CF EXTENSION** | *Python,Javascript*                                                   [Github]
- Built a **Codeforces problem recommender** using **K-Nearest Neighbors (KNN)** to suggest problems based on difficulty (rating) and popularity (solved count).
- Implemented a performance factor that dynamically adjusts the difficulty range using a calculated performance factor derived from the questions solved.
- Deployed a **RESTful API using Flask**, enabling frontend integration for real-time recommendation updates.

## Leadership / Extracurricular

- **Executive Head, Sports Committee, S.P.I.T.**                           **(May 2023 – June 2024)**
- Led and managed a team of 100 students to successfully conduct a college marathon with 1000+ participants.
- Organized an inter-college sports event involving participation from nearly 60 colleges across mumbai.
- Played a key role in the Public Relations team to boost visibility and attract high footfall for all events with simultaneously managing the team efficiently.