

# Sarvagn Pathak

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🔗 <https://sdpathak24.github.io/portfolio/>

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## Education

11/2020 – 06/2024	<b>B.Tech</b>
Gandhinagar, India	<b>Dhirubhai Ambani Institute of Information and Communication Technology</b>
	Cpi: 6.68

## Professional Experience

01/2024 – present	<b>Security Intern</b>
New Delhi, India	<b>SAG lab, DRDO</b>
05/2023 – 07/2023	<b>Research Intern</b>
Gandhinagar, India	<b>Dhirubhai Ambani Institute of Information and Communication Technology</b>
	Worked part-time as Research assistant and analysed various security cryptographic and network protocols and developed our own security architecture for enhancing security.
06/2023 – 12/2023	<b>Technical Assistant</b>
Gandhinagar, India	<b>Dhirubhai Ambani Institute of Information and Communication Technology</b>
	Teaching Assistant for the course IT-304, Computer Networks.

## Skills

### Programming Languages

C, C++, Javascript, Python

### Tools and Technologies

MySQL, NodeJS, React JS, Burpsuit, Linux,

### Area of Intrest

Web Development, Cyber Security, Networks, IoT, Linux

### Soft Skills

Communication, Teamwork, Leadership, Analysis

## Projects

### Digital Verification System

**Skills: Cryptography, Web development**

Digital verification system using photo analysis and input using various cryptographic methods like salting and hashing.

### Price-Comparison website

**Skills: Python(flask), Javascript, Team Leadership**

Python-flask based price comparison website that scrapes web and gives most relevant results of various stores.

I was the group leader for the team of 10 people and I didn't just learnt various technical concepts but also values of team-management and social skills.

## Achievements


### 2nd rank at Hack Infinity 3.0

Developed a decentralized voting system using blockchain technology. It was a great experience to develop an entirely new project from base to a workable model just in a span of 36 hours.

## Position of Responsibility

**Founder, Cyber Info and Network Security club DA-IICT**

**Convenor, Music club DA-IICT**

**Lance Corporal Rank - NCC, Army wing **

## Publications

### Addressing Single Point of Failure in Group Communication of Constrained Environments (Accepted for publication)

Developed a decentralised security architecture for group communication for CoAP devices with fault tolerance which got accepted at the 9th International Symposium on Security in Computing and Communications (SSCC'23).

## Organizations

12/2022 – 12/2022

Rajkot, India

**Vatsalya Trust NGO **

**Volunteer**

Volunteered at local NGO for 21 days , teaching students basic subjects , distributed clothes, participated in skill center