

# SWATI SINHA

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## Education

**Madan Mohan Malaviya University Of Technology**

**Nov. 2022 – May 2026**

*Bachelor of Technology in Computer Science (Cgpa-7.66)*

*Gorakhpur, U.P.*

**New Kingston Senior secondary School**

**2019– 2021**

*INTERMEDIATE (Cgpa-9.62)*

*Kanpur, U.P.*

**Kendriya Vidyalaya Kanpur ,Cantt**

**2019**

*Matriculation (Cgpa-10)*

*Kanpur, U.P.*

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Database Management
- Internet Technology
- Computer Architecture

## Experience

**CDAC,Greater Noida**

**June 2024 – July 2024**

*Cybersecurity Intern (Remote)*

- Gained hands-on experience in ethical hacking and penetration testing during my cybersecurity internship with CDAC and CyberGyan.
- Worked on DDoS mitigation project using pfSense, an open-source firewall and router platform.
- The project successfully reduced the impact of DDoS attacks, enhancing network resilience.
- Strengthened skills in teamwork, communication, and problem-solving throughout the internship.
- Key tasks included : Setting up pfSense — Analyzing network traffic to detect DDoS patterns — Implementing threshold-based blocking and rate limiting — Configuring logging and alerts.

## Projects

**List Ease - To Do List Web Application | HTML,CSS,JavaScript**

**January 2023**

- Developed a responsive to-do list web application.
- Leverages Local Storage to ensure persistent data management across user sessions, enhancing user experience.
- Implemented core functionalities like adding, editing, and deleting tasks, providing users with a streamlined approach to managing their to-dos.
- Achieved responsiveness across various devices (desktop, tablet, mobile), ensuring seamless task management regardless of user platform.

## Technical Skills

**Languages:** C, C++, HTML, CSS, JavaScript, SQL

**Developer Tools:** VS Code, GitHub.

**Frameworks:** Bootstrap,Reactjs

**Courseworks:** DBMS, OOPS, Data Structures and algorithm, problem-solving and Complexity Analysis, Computer Network,Operating, Operating System

## Leadership / Extracurricular

**IEEE-MMMUT**

**Spring 2023 – Present**

*Management and Outreach Head.*

Coordinated seamless and impactful events experiences in techSrijan'23 , Internal SIH'23 , HACKFEST'23 , TEDxMMMUT .