

SWATI SINHA

Kanpur, U.P. 209861

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Education

Madan Mohan Malaviya University Of Technology
Bachelor of Technology in Computer Science (SGPA: 8.25)

Nov 2022 – May 2026
Gorakhpur, U.P.

New Kingston Senior Secondary School
Intermediate (CGPA: 9.62)

2020 – 2021
Kanpur, U.P.

Kendriya Vidyalaya Kanpur, Cantt
Matriculation (CGPA: 10)

2019
Kanpur, U.P.

Experience

Sabudh Foundation, Mohali (Remote)
Data Science Intern

July 2025 – Ongoing

- Working on real-world datasets for data cleaning, preprocessing, and visualization using Python libraries such as Pandas, NumPy, and Matplotlib.
- Contributing to predictive modeling and machine learning tasks to derive actionable insights.
- Collaborating with a team to build end-to-end data pipelines for a social impact use case.

Indian Institute of Technology Jodhpur (Remote)
ISRO Project Intern

May 2025 – Ongoing

- Working on MIL-STD-1553B protocol analysis and automation of bus controller scheduling evaluation.
- Developing intuitive and responsive UI using React.js, JavaScript, and Tailwind CSS to visualize real-time behavior of remote terminals and subsystem performance.
- Implemented secure backend services using Django and Python, ensuring robust data handling and high-level security protocols.
- Deployed and optimized the application for performance and reliability in production environments.

CDAC, Greater Noida
Cybersecurity Intern (Remote)

June 2024 – July 2024

- 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.

Projects

Brainwave | *React, JavaScript, SVG/PNG, AI/NLP, API Integration*

GitHub | Live Project

- An AI-powered chat app with voice recognition, customizable bots, and integrations for productivity and fun.
- Features gamified chat experience, multi-device support, and interactive interface.

Perfume Website | *HTML, CSS, JavaScript*

GitHub | Live Project

- Created a visually appealing and responsive website for perfumes.
- Used jQuery for dynamic UI interaction across devices.

Technical Skills

- **Programming Languages:** C++, Basic Java, JavaScript.
- **Web Development:** HTML, CSS, React.js, MongoDB, Node.js, Bootstrap, Tailwind, SQL .
- **Data Science:** Python , Machine Learning, Dataiku, Natural Language Processing, Deep Learning.
- **Tools & Technologies:** Git GitHub, Jupyter Notebook, Google Colab, VS Code, MS Excel, Anaconda.
- **Coursework:** Data Structures and Algorithms, DBMS, OOPS, CN, OS, AI, ML.

Certifications

Introduction to Machine Learning – NPTEL (IIT Madras)

[Certificate](#)

Getting Started with Competitive Programming – NPTEL (IIT Madras)

[Certificate](#)

Artificial Intelligence Fundamentals – IBM

[Certificate](#)

The Web Developer Bootcamp – Udemy

[Certificate](#)

Extracurricular

- Participated in Smart India Hackathon, contributing to a nationwide coding challenge.
- Participated in SHE HACKS by UNSTOP.
- Qualified for Flipkart GRiD 6.0 Level 1.