

# Suhani Gupta

Bachelor of Technology in  
Information Technology

Jammu & Kashmir, India

✉️ 2023nitsgr170@nitsri.ac.in

🌐 <https://suhanigupta2212.github.io/New-Repository/>

👤 suhanigupta2212

## Profile Summary

Ambitious and research-driven Information Technology undergraduate at NIT Srinagar with strong foundations in programming, data analysis, and machine learning. Experienced in applying AI/ML techniques to real-world and defense-relevant problems including surveillance, cybersecurity, and signal intelligence. Proficient in full-stack development, TensorFlow, and data-driven system design. Seeking internship opportunities in the areas of Artificial Intelligence, Data Science, or Embedded Systems.

## Technical Skills

Programming Python, C, Java, JavaScript, SQL

AI/ML TensorFlow, Scikit-learn, NumPy, Pandas  
Frameworks

Web / Tools React.js, MySQL, Git, Linux, VS Code

Core Areas Machine Learning, Artificial Intelligence, Web Development, DSA, DBMS, Operating Systems

## Projects (AI & Defense Applications)

Cyber Threat Detection Built an ML classifier to identify malicious network traffic using Pandas, Scikit-learn, and TensorFlow. Processed 100K+ entries to train a neural network achieving 88% precision.  
Showcased application of AI in cybersecurity and intrusion detection—an emerging DRDO focus area.

## Additional Technical Projects

Mathify Developed an interactive math-learning web app using HTML, CSS, and JavaScript. Features arithmetic problem-solving, quizzes, and responsive UI.

Currency Converter Built a real-time currency conversion web app using JavaScript, HTML, and CSS with live exchange rate API integration.

Simple Expense Tracker Created an expense-tracking web app using JavaScript and Local Storage to manage financial records locally.

Personal Portfolio Website Designed and deployed a personal portfolio site showcasing AI/ML and web development projects; hosted via GitHub Pages.

## Education

2023–Present **Bachelor of Technology (B.Tech) in Information Technology, National Institute of Technology (NIT) Srinagar**

Current Year: 3rd Year | CGPA: 8.59

2021–2023 **Kartar Public School, Jammu, Class XII, Percentage: 89%**

2009–2020 **Presentation Convent Senior Secondary School, Jammu, Class X, Percentage: 96%**

## Relevant Coursework

Data Structures and Algorithms, Object-Oriented Programming, Web Development, Database Management Systems, Operating Systems, Machine Learning, Design and Analysis of Algorithms

## Achievements & Certifications

Maintaining a strong academic record with CGPA 8.59 at NIT Srinagar.

Active participant in coding contests on **LeetCode and Hackerrank**.

Built multiple research-oriented AI/ML projects aligned with focus areas such as cyber defense.

## Leadership & Community

Web Development      Participated in web development team in annual cultural fest of NIT Srinagar , Rang-e-Chinar

Women In Tech      Team lead , Women-In-Tech in annual technical fest of NIT Srinagar

Participated in peer learning sessions on Python and Machine Learning

## Languages

English      Fluent

Hindi      Fluent

Urdu      Beginner