

# Nitil Vijay

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## CAREER OBJECTIVE

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Motivated Computer Science student with a passion for AI and a specialization in Cybersecurity. Looking for an opportunity to leverage skills in Python, ML concepts, and database management to contribute to a forward-thinking tech team as an intern or entry-level engineer.

## EDUCATION

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2024 - 2028	Bachelor's Degree at <b>Shiv Nadar University</b>	(CGPA: 8.8/10)
2024	Class 12th CBSE	(A+)
2022	Class 10th Cambridge IGSCE	(A*)

## TECHNICAL SKILLS

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**Programming Languages:** Python, C++, Java

**Web Technologies:** Django, HTML, CSS, JavaScript

**Databases:** SQL, Database Management Systems (DBMS)

**Core Concepts:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Modern Cryptography

**AI / ML:** Machine Learning Concepts

**Tools and OS:** Linux

## PROJECTS

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**Learn Link:** Campus Resource Hub

- Developing a student-focused academic platform using Python and Django to aggregate and rank high-quality learning resources. - Engineered a backend system where resources (uploaded by seniors) are qualified by student votes, reviews, and importance ratings. - Implementing a past-paper analysis feature to generate "topic heatmaps" to help students prioritize high-yield concepts for exams. - Role: Backend Developer — Technologies: Python, Django, JavaScript

**Secure Communication Platform (Smart India Hackathon - SIH)**

- Contributed to a team project building a secure communication platform for defense personnel and their families. - Conducted research on establishing secure, low-bandwidth communication in low-network areas while preventing metadata logging. - Responsible for creating the technical presentation and pitching the project solution to judges. - Role: Researcher and Presenter — Project Stack: Matrix Home Server, MERN, Quorum Blockchain, AI Threat Detection.

## COMPETITIONS AND WORKSHOPS

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**CYBER 360 – An Industry Perspective** — Ford Cybersecurity — March 2025

- Attended an industry-led workshop on the latest trends and practices in cybersecurity, covering enterprise threat detection and incident response.

**Revil: National-Level Technical Symposium** — Chennai Institute of Technology

- CTF Participant (Team of 2) — Feb 2025 - Competed in a Capture The Flag event