

# SANSKAR JAIN

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## Summary

Logical and results-driven computer science student with a strong foundation in C and C++. Proficient in C, C++, Java, HTML and CSS. Seeking to work for an organization to fulfil the company's objective as well as grow and develop my own skills and knowledge as a coder.

## Experience

**Tech Mahindra**, Noida

June 2023 – August 2023

### Software Development Intern

- Adapted to new technology of machine learning and convolutional neural network in an online setting, developed a module of a project on image tampering detection that distinguishes between original and tampered images.

## Education

**Amity University**, Noida

B. Tech. in Computer Science Engineering | **CGPA : 8.01 (till 7<sup>th</sup> semester)**

September 2020 – June 2024

**Bharti Public School**, New Delhi - 92

Senior School | **Percentage : 92.8%**

April 2019 – March 2020

**Bharti Public School**, New Delhi - 92

Secondary School | **Percentage : 92%**

April 2017 – March 2018

## Skills

**Technical Skills :** C/C++, Java, Python, HTML5, CSS, JavaScript, Node.js, Flask, Linux Operating System, DBMS – MySQL, Git, OOP, DSA, Troubleshooting, Software Testing, Software Project Management

**Soft Skills :** Problem Solving, Presentation Skills, Communication, Leadership, Teamwork, Touch-Typing

## Projects

- Vulnerability Detection Tool :** A comprehensive vulnerability assessment tool focusing on critical issues like SQL injection and XSS. It also focuses on web crawling, directory enumeration, firewall detection, and vulnerable port detection using tools like Nmap, wafw00f, and various third party python modules. Synchronous function calls are used for faster output processing.  
**Github:** <https://github.com/sanskarjain10/vulnerability-scanner>
- Image Tampering Detection :** The project utilizes a Convolutional Neural Network (CNN) built with TensorFlow and Keras to distinguish between authentic and tampered images by analyzing inconsistencies in different image regions.  
**Github:** <https://github.com/sanskarjain10/image-tampering-detection>
- Flask Chatbot Web Application using OpenAI API :** A ChatGPT like chatting interface that uses OpenAI API to solve basic day to day problems. The web application can be accessed via this link:  
**Link:** <https://testaccount01.pythonanywhere.com> (Not working anymore)
- Criminal Record Management System :** A CPP program that makes use of binary file to store criminal's details locally in the host system.  
**Github:** <https://github.com/sanskarjain10/criminal-record-management-system>

## Certifications

DevTown

**Backend Web Development using JavaScript, Node.js and Express**

February 2023

freeCodeCamp

**JavaScript Algorithms and Data Structures**

October 2022

Google Developer Students Club, Amity University

**30 Days of Google Cloud Program**

December 2021

freeCodeCamp

**Responsive Web Design**

July 2021

## Achievements

- 5 – Star Coder in C++ at HackerRank**
- 3 – Star Coder at CodeChef**
- Solved 430+ questions at LeetCode**
- Secured Third position in Cyberlympics 2023**
- Got Scholarship in first year of Engineering**