

SANSKAR CHOUHAN

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EDUCATION

2019 – 2023

MEDI-CAPS UNIVERSITY, INDORE, MP, INDIA

Bachelor of Technology – Computer Science and Engineering

cgpa - 8.98

- *Core Subjects:* Operating Systems, Computer Networks, Database Management System, Data Structures, Computer System Architecture, Computer Graphics and Multimedia, Theory Of Computation and Software Engineering.
- *Elective Subjects:* Internet and Web technology, Cloud Computing, Cloud Security, Python Essentials, Programming with XML and Internet of Things.
- *Delivered seminars on:* Cloud computing and virtualization, Turing Machine (TOC), Types of Software Testing.

INTERNSHIP

07/22 - 10/22

INDIAN INSTITUTE OF TECHNOLOGY (IIT), INDORE

Indore, MP, India

Intern under Faculty Mentor Dr. Neminath Hubballi in the area of Computer Networks and Security.

- Involved in Network Intrusion Detection, to detect if someone tried to access the network, to check for open and closed ports and also securing the network for unauthorized access.
- Learned OS Fingerprinting and ways to prevent it - Detecting the target operating system.
- Operating System and tools used - Kali Linux, Wireshark, Nmap

PROJECTS

DECENTRALIZE STORAGE SYSTEM USING IPFS AND ETHEREUM BLOCKCHAIN

(Final Year Project - Lead a team of three)

- Designed a decentralized storage, comparing it with centralized storage in terms of security, speed and ease of use. This system allows users to store and share data with just their wallet address.
- One can use this storage system just by connecting their crypto wallet to metamask. In this We used hardhat for sample crypto wallets.

PERSONAL PORTFOLIO (https://s-unny2001.github.io/Sanskar_Chouhan_Portfolio/)

- A Web based Portfolio which displays all of my Certifications, Internships, Projects, Qualification and Contact details.
- Designed using HTML, CSS and JavaScript, hosted using Github.

SORTING ALGORITHM VISUALIZER (INDIVIDUAL)

- Designed a Web based sorting algorithm visualizer using HTML, CSS and JavaScript. Also added the controls to control the size of array and visualizer's speed and have displayed the complexities of algorithms listed

SMALL PROJECTS (JavaScript based Individual Projects)

Image Editor - Allows you to select the image, edit it and download the result.

Word Guessing Game - Provides a number of guesses and hints to guess the word.

Typing Speed test - A simple typing speed test with different paragraphs.

SKILLS & CERTIFICATIONS

SHORT TRAININGS AND CERTIFICATIONS

- Python for Everybody, **Coursera, University of Michigan**, July 2020.
- Python Data Structure, **Coursera, University of Michigan**, July 2020.
- Programming Foundations with JavaScript, HTML and CSS, **Coursera, Duke University**, April 2021
- Summer Training in Web Development, **Techgyan, Abhyuday IIT Bombay**, May 2022.

COMPUTING SKILLS

- **Programming Languages:** C, C++, Python, HTML5, CSS3, JavaScript
- **Back end Language :** SQL
- **Additional Skills :** , ReactJs, NodeJs, Bootstrap
- **Operating System:** Windows, Linux, MacOS

ACHIEVEMENTS

EXTRA CURRICULAR ACTIVITIES

- Leader of MUIEEE and active member of Innovation Club, University Clubs.
- Volunteered in the organizing committee of 'MOONSTONE', the annual cultural fest of my University.
- Captain of Inter School Basketball team.

COMMUNITY SERVICE

- Volunteered for community services with **Rotract Club Mhow**, 2020