NISHANT SACHDEVA

Second year undergraduate student at IIIT-H

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 nishant-sachdeva   in nishant-sachdeva   Wordpress Blog: refflectionss

EDUCATION

*B.Tech in Computer Science & Engineering and Ms in Computer Science

International Institute of Information Technology

📅 July 2018 - May 2023   📍 Hyderabad, India

- **CGPA** (Current) - 9.44/10

St. Anne's Convent School

📅 April 2003 - March 2015   📍 Chandigarh, India

- **CBSE**(Class X) - 10/10 CGPA

Sri Guru Gobind Singh Senior Secondary School

📅 April 2015 - March 2017   📍 Chandigarh, India

- **CBSE**(Class XII) - 92.8% CGPA

PROJECTS

Shell

- An interactive user defined bash-like shell which supports semicolon separated list of commands.
- Implemented in C, supports I/O redirection, piping, process management and signal handling.

Portfolio Website*

- -Used Html, js, css, jquery, ajax to implement a basic interfaced website

ZSH installer

- -A simple script to set up a basic zsh environment on your linux terminal

DFA generator

- -Used Python to implement code where given the description of an NFA (using a json object), it generates the corresponding DFA and returns it to an output file using another json object

Basic Chess Game

- -Used Object Oriented Methods with Python to develop basic terminal based console

N - Grams Smoothing (Virtual Labs IIIT Hyderabad)

- -Used Python, Flask, Html, Css, JavaScript, SQLAlchemy to implement an experiment on N-Grams Smoothing

Issue Detection and fixing : VLabs IIIT Hyderabad

- -Raised issues (60) and fixed(20) using html, css, js

Exposure to Web Scraping in Python

- -Implemented in Python to scan comic book pages from a given website as part of an academic project

SKILLS

- **Programming Languages -** Python, C, C++, JavaScript
- **Scripting Languages -** Bash
- **Web Dev-** HTML, CSS, AJAX, jQuery
- **Frameworks-** Flask
- **Database Systems -** MySQL, SQLite, SQLAlchemy
- **Tools -** Git, NMAP, JsLint, JsHint
- **Environment -** Linux, Windows,Arduino,Nucleio, Esp32(in progress)*

ACHIEVEMENTS

- **Dean's List award receiver given to top 5% of batch for excellent academic performance.**
- **JEE MAINS 2017**got a rank of 1820 among 1.3 million aspirants.
- **Google Action** Created and Deployed Google Action: CricKuiz The Cricket Quiz

COURSES TAKEN

- **CS -** Algorithms* , Data Structures(A-) , Operating Systems* , Computer Systems Organisation(A), Data and Applications* ,Computer Programming(A), Introduction to Software Systems(B)
- **Maths -** Linear Algebra(A-), Probability*, Discrete Maths(A) , Real Analysis(A-), Automata Theory*
- **Others -** Digital Systems and Microcontrollers(A) , Introduction to IOT(A-), Value Education(S), Sports(P) , Arts(S)
- **Note -** *Courses in current semester

POSITIONS OF RESPONSIBILITY

- **Student Co-ordinator** Aashakiran (co-ordinate study sessions and teach underprivileged kids) at IIIT-H.

VOLUNTEERING

- TEDx Hyderabad, 2017
- 100+ hrs at NSS IIIT Hyderabad
- Undergrad Admissions (2019) student volunteer
- Student Volunteer at lantern event at Gachibowli Stadium