



Saarthak Saxena

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Education

Indraprastha Institute of Information Technology, Delhi

B.Tech (ECE)

2022 - 2026

CGPA: 6.53

(Till 4th semester)

Bhai Parmanand Vidya Mandir Sr. Sec. School , Anand Vihar, Surya Niketan , New Delhi

CBSE, Standard 12, PCM+CS

2021-2022

Percentage : 89%

Bhai Parmanand Vidya Mandir Sr. Sec. School , Anand Vihar, Surya Niketan , New Delhi

CBSE, Standard 10

2019 - 2020

Percentage : 91.4%

Skills

Expertise Area: Data Structures and Algorithms, PCB designing and Fabrication, Embedded Logic Design, UX research, Human-Computer Interaction,

Programming Languages: Python, C++ , Java , JavaScript, HTML , CSS

Technical Electives: Data Structures and Algorithms, Advance Programming, Human-Computer Interaction

Electronic Electives: Embedded Logic Design, Circuit Theory and Devices, Basic Electronics, Signals and Systems, Integrated Electronics, Principles of Communication System

Work Experience

HeydoTech - Software Intern

Utilized PyAutoGUI, NLP, and computer vision to develop projects at heydo.tech

(01/2024 - Present)

DotStore - Business Development and Operations intern

Optimised Business operations helping towards creating visualisations for all Sales and revenue streams, optimising and restructuring the end to end processes, resulting in 17% in profits.

(04/2024 - 07/2024)

Projects

Game Stick Hero - java

Guide: Dr Koteswar Rao Jerripothula

I created the game inspired by Stick Hero while adding more features like a revival and difficulty level feature.

Solo

(09/2023 - 12/2023)

Link: [Click here](#)

Web3 Crowdfunding platform - HTML, CSS, JS , Solidity

Top 100 teams selected in 400+ registrations for the Code Cubicle hackathon. Build a Crowdfunding Platform utilising smart contracts and basics of web3 using solidity transactions.

Team Size-4

(04/2024 - 04/2024)

Link: [Click here](#)

RFID reader and Bill Generator- React , Aurdino and JavaScript

Crafted a JavaScript and C++ website swiftly generating bills via RFID tag and reader, mitigating long queues in commercial shops efficiently.

Team Size-4
(01/2024 - Present)
Link: [Click here](#)

Simple Assembler and Simulator – Computer Organisation

Guide: Dr. Tammam Tillo

Designed and implemented a simple assembler and simulator based on a given ISA.

Team Size-4
(03/2023 - 05/2023)
Link: [Click here](#)

SONAR PCB Design

Guide: DR. Shobha Shundar Ram | Tech Stack: LTSpice, EagleCad

Used LTspice and Eaglecad to design filters, transmitters and receivers and, finally, PCB design and soldering.

Team Size-3
(06/2023 - 08/2022)

GPT3 and FlantT5 Integration with Gradio - Python

Used Huggingface API key to integrate GPT3 and FlantT5 to produce three different outputs by a local host. gTTs were further used to produce a voice output.

Team Size-2
(11/2023 - 12/2023)
Link: [Click here](#)

BMI calculation and Pokemon Suggestion - React

Created a React frontend and backend, integrating exercise and Pokémon suggestions based on BMI, during a 9-hour hackathon.

Team Size-4
(02/2024 - 02/2024)
Link: [Click here](#)

Positions of Responsibility

Entrepreneurship Cell IIITD - Relationship Manager

- Facilitated multiple high-impact events like E-summit'23
- Excelled in creating and implementing effective social media strategies.

(02/2023 - 09/2023)
Website: [Link](#)

Organising Member - Esya SpeedCubing 2023: Helped successfully organising Speedcubing Event (05/2023 – 08/2023)

Core Team Member -Literature, Debate and Anime Club

(04/2023 – 08/2023)

Awards and Achievements

• KTSE 2nd Rank

Rewarded a cash prize of Rs. 20,000 and a scholarship for the next two years of studying.

• Top 7 percent in India in SpeedCubing

Interests and Hobbies

- Reading Classical Literatures of Dostoevsky and Kafka
- Participating in MUNs, Debates
- Public Relations and talking to new people
- Speedcubing (Ranked 63rd in Indian Nationals' 2019)

Declaration: The above information is correct to the best of my knowledge.

Saarthak Saxena

Date: May 27, 2024