Soumil Sinha

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY, JODHPUR
B.Tech in Computer Science
2020 - 2024 (Expected)
Jodhpur, Rajasthan
Cum. GPA: 8.5 / 10.0 (Till 3rd Semester)

APEEJAY SCHOOL (CBSE)
Graduated 2020
Noida, India
XII: 96.4% | X: 95.2%

LINKS

Github:// **sawmill811**
LinkedIn:// **Soumil Sinha**

COURSEWORK

UNDERGRADUATE
Pattern Recognition and Machine Learning
Digital Design
Data Structures and Algorithms
Probability, Statistics and Stochastic Processes
Intro to Computer Science

SKILLS

PROGRAMMING
Python • JavaScript • HTML • CSS
C++ • MATLAB

OTHER
LaTeX • Git and Tools

PROJECTS

ACTIVE NOISE CONTROL USING MACHINE LEARNING |
Research Project
Jan 2022 – Present
MATLAB
Currently working under **Amrita Puri** to implement various Machine Learning Algorithms for the purpose of Active Noise Control. Currently, I have implemented the following algorithms:
- FxLMS
- FuLMS
- FxBPNN (neural network)

SORTING VISUALISER USING IMAGES | Web Application
Jan 2022
HTML • CSS • JS
Created my first web application **pxSort** - A tool to help visualise how different sorting algorithms work with the help of images. It has the following sorting algorithms as of now:
- Selection Sort
- Bubble Sort
- Quick Sort
- Merge Sort

Through this project I learnt intermediate **CSS** and **JavaScript**.
GitHub Repository

AUDIO WORDLE GAME | Web Application
Jan 2022
HTML • CSS • JS
auddle is a Wordle style game where you listen to a song and try to guess the movie it's from. Through this project I gained more experience with **JavaScript** (particularly with EventListeners).
GitHub Repository

ACHIEVEMENTS

Year	Achievement	Context
2021	Top 10 (among 238 students)	Intro to Computer Science Course
2020	AIR 2423	JEE Advanced
2020	AIR 6214 (99.45%ile)	JEE Main
2020	Top 0.1% in Mathematics	CBSE 12th Board Exam
2015	Award for Academic Excellence	Intraschool

EXTRACURRICULAR ACTIVITIES

- Core Member of Sangam - the Music Society, IIT Jodhpur
- Performed on multiple occasions on behalf of the Music Society
- Runners up at the Intra College Valorant Tournament