Soumil Sinha

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PERSONAL INFO

DOB: November 8, 2001 (Age: 20)
Location: Noida, Uttar Pradesh, India
Contact: +91 8799709865

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY, JODHPUR

B.Tech in Computer Science and Engineering
2020 - 2024 (Expected)
Jodhpur, Rajasthan, India
Cum. GPA: 8.28 / 10.0 (Till 4th Semester)

APEEJAY SCHOOL (CBSE)

Graduated 2020
Noida, Uttar Pradesh, India
XII: 96.4% | X: 95.2%

LINKS

Github: **sawmill811** ☑
Codeforces: **sawmill811** ☑
LinkedIn: **Soumil Sinha** ☑

COURSEWORK

Pattern Recognition and Machine Learning
Digital Design
Data Structures and Algorithms
Probability, Statistics and Stochastic Processes
Intro to Profession
Engineering Design I & II
Intro to Computer Science

SKILLS

PROGRAMMING

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

FRAMEWORKS

React • Flask

OTHER

Latex • Git and GitHub

PROJECTS

ACTIVE NOISE CONTROL USING MACHINE LEARNING

Research Project · Jan 2022 – Aug 2022
MATLAB
Working under the guidance of **Amrita Puri** to implement various Machine Learning Algorithms for the purpose of Active Noise Control. Currently, I have implemented the following algorithms:
- Filtered-x Least Mean Square
- Filtered-u Least Mean Square
- Filtered-x Back Propagation Neural Network
- Radial Basis Function Neural Network
- Deep Recurrent Neural Network

SORTING VISUALISER USING IMAGES   Web 🌐 · GitHub ⭘

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:
- Selection Sort
- Bubble Sort
- Quick Sort
- Merge Sort

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

AUDIO WORDLE GAME   Web 🌐 · GitHub ⭘

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).

COURSE PROJECTS

HTML · CSS · Flask · Python · Heroku
- YouTube Transcript Summarizer ⭘
- Fruits360 - Fruits and Vegetables Image Classification ⭘
- Human Activity Recognition using Machine Learning ⭘

ACHIEVEMENTS

2021	**Top 10** (among 238 students) in Intro to Computer Science Course
2020	Awarded for being in the **Top 20** JEE Adv. Rankers enrolled in IIT Jodhpur
2020	**All India Rank 2423** in JEE Advanced
2020	**All India Rank 6214** (99.45 percentile) in JEE Main
2020	**Top 0.1%** in Mathematics in CBSE Class 12 Board Exam
2015	Award for Academic Excellence at Apeejay School, Noida

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 2022