Sarthak Saxena

LinkedIn
Github

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EDUCATION

- **Rajiv Gandhi Institute of Petroleum Technology** — Rae Bareli, Uttar Pradesh
  Bachelor of Technology in Computer Science and Engineering; CPI: 7.54 — Dec. 2020 – May.2024

- **Amity International School** — NOIDA, Uttar Pradesh
  CBSE Class XII; Percentage: 94.2 — Mar.2019 – Mar. 2020

- **Amity International School** — NOIDA, Uttar Pradesh
  CBSE Class X; Percentage: 93.6 — Mar.2017 – Mar. 2018

PROJECTS

- **Smart India Hackthon project under Ministry of Information and Broadcasting:** Developed a Blockchain and Web Scraping based system to detect instances of copyright infringement of OTTs on the internet. My Role - Developed the Web Scraper in Python using BeautifulSoup for scraping the internet for certain keywords and then ranked those websites on the basis of frequency of occurence of those keywords, by assigning different points to different keywords. - GitHub
- **UNESCO-India-Africa Hackathon Project:** Created a system that used Computer Vision to detect and estimate energy consumption of a city using the satellite images. My Role - Created the Computer Vision model in Python to calculate the energy consumption based on the brightness of the pixels.
- **Video Game Database using Tkinter(Python) and MySQL:** DBMS Course Project - Created a simple GUI using Tkinter, and created buttons which gave users the option to add, delete, update, search and sort data. - GitHub
- **Amazon Website Web Scraper:** Created a web-scraper in Python, using BeautifulSoup library, which scraped the page for the required data, like Product Name, Product URL, Price, Reviews, Number of reviews and ASIN, and uploaded the data to a CSV. - Github

ACHIEVEMENTS

- **Smart India Hackathon 2022 Winner - Certificate** — Chittoor, Andhra Pradesh — Aug. 2022

- **UNESCO India Africa Hackathon Finalist - Certificate** — NOIDA, Uttar Pradesh — Nov. 2022

- **TCS Codevita 10 Global Rank 1474 - Certificate**
- **Google Kickstart 2022 Round E Global Rank 1518 - Certificate**
- **Reached Meta Hacker Cup Round 2 - Global Rank 2989 - Certificate**
- **ICPC 2021-22 Amritapuri Regionals Rank 99 - Certificate**
- **Achieved All India Rank 19878 in IIT JEE - Advanced 2020**
- **Specialist on Codeforces - Maximum rating 1467 - Profile Link**
- **3 star on Codechef - Maximum rating 1681 - Profile Link**
- **AtCoder - Maximum Rating 545 - Profile Link**
- **Leetcode - Maximum Contest Rating - 1748 (Global top 10 percent) - Profile Link**
- **Over 500 problems solved on online coding platforms**

TECHNICAL SKILLS

- **Languages**: Python, C++, C, JavaScript, HTML, CSS

- **Technologies**: MySQL, PostGres, GitHub, MATLAB, FastAPI, Flask, BeautifulSoup, Django

- **Knowledge Domains**: Data Structure and Algorithms, Problem Solving, Competitive Programming

POSITIONS OF RESPONSIBILITY

- **OWASP Student Chapter,RGIPT**: Technical Co-Head