

SHAURYAMAN SINGH TARAGI

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EDUCATION

Graphic Era University, Dehradun

B.Tech in Computer Science & Engineering

Sep 2022 - Present

8.56/10 CGPA

A.V.B. Institute of Learning

12th, C.B.S.E

2022

80.33%

A.V.B. Institute of Learning

10th, C.B.S.E

2020

93.8%

PROJECTS

Sorting Visualizer: (React.js, JavaScript, Data Structures and Algorithms)

(April-May 2024) [Source Code](#)

- Engineered an interactive sorting visualizer using React.js to illustrate the functionality of 5 different sorting algorithms, enhancing the understanding of sorting processes.
- Applied advanced data structures and algorithms to dynamically demonstrate sorting processes in real-time, significantly improving the comprehension of algorithmic efficiency and behavior.
- Implemented key sorting algorithms including bubble sort, insertion sort, merge sort, quick sort, and selection sort.

Plant Disease Detection System: (Python, Tensorflow, Keras)

(Jun-Oct 2024) [Source Code](#)

- Developed a Plant Disease Detection System using CNNs, achieving over 90% accuracy for real-time disease classification, enhancing crop health monitoring and early intervention.
- Designed an interactive application with Streamlit, enabling users to identify plant diseases from images with immediate feedback.
- Integrated a high-accuracy deep learning model, improving accessibility to plant health insights for farmers and agricultural professionals.

Web Extensions : (JavaScript, Chrome APIs, Manifest JSON, HTML, Css)

(August 2023) [Source Code](#)

- Designed and implemented cutting-edge browser extensions using JavaScript and Chrome APIs.
- Enhanced user experience with seamless QR code generation for 100+ websites and text-to-speech conversion for over 2000 text entries.
- Developed and optimized extensions using Manifest JSON to ensure broad compatibility across major browsers and provide a user-friendly interface.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, JavaScript

Backend: Node.js, Express.js

Frontend: React, Tailwind CSS, HTML, CSS

Databases: SQL, MongoDB

Developer Tools: Postman, VS Code, GitHub

ACHIEVEMENTS

- Solved **350+** questions on [Leetcode](#).
- Solved **140+** questions and achieved the "Pupil" rank on [Codeforces](#).

POSITIONS OF RESPONSIBILITY

- Spearheaded the establishment of the Graphic Geeks Club, implementing a curriculum focused on web development and machine learning; engaged over 150 members in hands-on workshops that enhanced coding proficiency by 30%.
- Engineered and executed impactful tech workshops for over 700 freshers in 2024, significantly enhancing their web development and coding skills.