

# Samyak Singh Chauhan

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CSE CORE, YR 02021

## PROGRAMMING AND OTHER SKILLS

Java	JavaScript	ReactJS	100+ Questions Solved on Leetcode
Python	HTML	SQL	Best <b>Performance</b> as a MUN delegate
C/C++	CSS	Figma	10+ GitHub Projects

## TECHNICAL SKILLS

Data Structures and Algorithms	Database Management Systems	Front-End Development
Object Oriented Programming	Information Security Management	
Operating System	Human Computer Interaction(UI/UX)	

## PROJECTS

**Visualization of Dijkstra's Algorithm on a Real World Map** Oct 2023 - March 2024  
**Front-end and Back-end Developer**

Developed and implemented a **modified** and **optimized** version of Dijkstra's algorithm as part of a Web Development Project, which is **20%** faster. The conference paper was published at an **International conference** for Data Science and Artificial Intelligence and achieved a **Rank of 23**.

[View Project](#)

**Portfolio Website** Aug 2023 - Nov 2023  
**Industrial Internship**

Developed a personal portfolio website using both **Front-end** and **Back-end** Web Development tool kit. The website provides a variety of features to present **skills** in a **smooth** UI/UX design. The project **enhances** the highlight of strong points and skills.

[View Project](#)

**Audio Based Emotion Detection** July 2024 - Sept 2024  
**Faculty Project**

As part of a team, Developed and Implemented a **Machine Learning** model that **accurately** predicts the emotion of a human's voice with **90%** precision. The model does **NOT** use any facial recognition. The model only uses **Spectrogram Images**.

## EDUCATION & CERTIFICATIONS

### Bachelor of Technology

Majors: Computer Science and Engineering  
Vellore Institute of Technology based in Chennai

### High School Education

International Public School, Bhopal

### Amazon Web Services

Certified Cloud Practitioner

## EXTRACURRICULAR ACTIVITIES

### Delegate, Model United Nations

Red Ribbon Club

### Content and Operations

Tech Researcher's Club

### Sports

Football, Cricket and Tennis