**Suhani Sinha**

Phone: +91 7004432035| Email: [suhanisinha240@gmail.com](mailto:suhanisinha240@gmail.com) | GitHub: <https://github.com/SUHAANII>

LinkedIn ID: <https://www.linkedin.com/in/suhani-sinha-522544251/>

Leetcode: <https://leetcode.com/u/suhanisinha2022/> | GFG: <https://auth.geeksforgeeks.org/user/suhanisiicat>

**Education**

**VIT Bhopal University**          Bhopal, Madhya Pradesh

B. Tech                 Expected June 2026

Major in Computer Science; Minors in Cloud computing and Automation

Cumulative GPA: 8.96/10

**12th Standard**

**Sri Chaitanya Kalashala** Hyderabad, Telangana

Telangana Board Cumulative percentage: 88.9% May 2022

**10th Standard**

**Sri Chaitanya high School**Hyderabad, Telangana

CBSE Cumulative percentage: 88.0%     March 2020

**Projects**

**Cancer Cell Classifier**  Aug 2023 – Nov 2023

* A solid model with performance accuracy of 94.14% and precision of 90%, for precise cancer cell detection was created usingcutting-edge deep learning frameworks and practical machine learning techniques.
* The classifier apart from being made highly accurate in identifying these deadly cells by 90 % level of precision, by large efforts put into feature engineering, model fine-tuning, and preprocessing steps of data, but also needs to be made robust enough
* Engineered and deployed an advanced machine learning model that accurately categorized user inquiries, resulting in a 40% reduction in average response time
* The cancer cell detection model's performance was improved using 33% of data testing size usingadvanced algorithms and innovative data addition methods, ensuring its validity.

**Virtual Mouse**  Jan2024 - May2024

* Led a progressive Virtual Mouse project that utilized state-of-the-art techniques in computer vision.
* Developed models in OpenCV and implemented practical gesture recognition techniques in the technological framework.
* Both technical expertise and deep understanding of the principles of computer vision were required.
* New gesture detection methods increased accuracy by 20% and responsiveness by 25%, significantly improving the user experience.
* This project has become extremely useful to physically challenged people by combining features like screenshot capturing and item selection. and Boosted efficiency by 18%, positioning it as a phenomenal advancement in AI technology

**Work Experience**

* Internship with NextGenDev in Web Development Domain.

**Activities**

**National Service Scheme**  Nov 2022-Feb 2023

* Volunteered in 2 Blood Donation Camp organized with 50+ blood donators at VIT BHOPAL UNIVERSITY.
* GSSOC’24 Contributor

**Additional**

**Technical Skills**: C++, DSA in C++, Html, CSS and JavaScript, React.JS, SQL, UI/UX, AWS , Devops, Figma.

**Languages:** English, Maithili, Hindi ,Telugu.

**Certifications & Training:** HTML, CSS and JavaScript for web developer’s (Coursera), SQL: A Practical Introduction for Querying Databases(Coursera), AWS Solutions Architect , Problem Solver -DSA

**Achievements**

* solved problems on Leetcode(279,383) with 200 Days Badges & Geeks for Geeks( CR- 126),Learning Data structures and Algorithm in C++, 2 star on Hackerrank