

Siddharth Singh

+91-8840184254 | Prayagraj, Uttar Pradesh, India
siddharthsingh133@gmail.com | linkedin.com/in/siddharth-singh | github.com/Siddharth-Singh-28

EDUCATION

VIT Bhopal University

B.Tech in Computer Science and Engineering

2022 – Present

CGPA: 8.30 / 10

Saint John's Academy, Prayagraj

Intermediate (Class XII)

2020 – 2021

96.5%

Saint John's Academy, Prayagraj

High School (Class X)

2018 – 2019

94.2%

TECHNICAL SKILLS

Languages: Java, Python, C++, Javascript, CSS, SQL

Tools & Frameworks: React, Unity, Phaser3, Git, Blender

PROJECTS

Fruit Ninja with Hand Gestures

Javascript, PoseNet, Git

- Developed a motion-sensing system using algorithms like Ellipse Detection and Gaussian Filtering.
- Optimized gameplay to achieve a smooth 60 FPS and reduced loading times.
- Designed the front-end UI for in-game menus, score displays, and animations.

Endless Runner in VR

Unity, C#, XR Toolkit

- Built a VR game using C# and the Unity Game Engine, incorporating the XR Interaction Toolkit and XR Rig.
- Designed and created three immersive levels with interactive environments.

Yoga Pose Detection using ML Flask Web App

Python, Flask, MediaPipe, scikit-learn, HTML/CSS, JavaScript

- Built a real-time Yoga Pose Detection system using MediaPipe, OpenCV, and an ensemble ML model.
- Developed the front-end web UI with HTML, CSS, and Bootstrap, featuring live webcam streaming and real-time pose feedback.
- Integrated the ML model with a Flask backend to handle video processing and prediction.

CO-CURRICULARS AND ACHIEVEMENTS

- Gold Medalist in the SOF International Olympiad of Mathematics(State Level).
- All India topper in ISC Computer science and mathematics
- Core member of the IoT Club and Fusion Club, Public Outreach Department at VIT, selected from over 100 applicants. Organized multiple events and secured renowned speakers.
- Elected as a Prefect at Saint John's Academy, led a council of 20 members and coordinated major school events.
- Futsal team member-Participant at AAHVAAAN

CERTIFICATIONS

Unity and C# basics - META; Fundamentals in AI & ML; Python Essentials; Cyber Physical Systems – NPTEL

LANGUAGES

English - Native, Hindi - Native, Japanese - N5