

SUMIT KUMAR

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EDUCATION

Vellore Institute of Technology

Btech in Cloud Computing and Automation - 7.27 CGPA

Sep 2022 – Sep 2026

Bhopal, India

City Montessori School

CISCE - Percentage - 89.4%

Apr 2010 – Apr 2020

Lucknow, India

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, SQL, HTML, CSS, NoSQL

Frameworks: Node.js, React

Dev Tools: Docker, Amazon Web Services, OpenCV, MediaPipe, Excel, PowerBI

PROJECTS

tourINDIA 📁 | [HTML](#), [CSS](#), [JavaScript](#), [Node.js](#), [MongoDB](#)

Nov 2025

- Developed a **travel recommendation web app** that allows users to **search tourist places across Indian cities** and maintain a **personal visit log** after login.
- Implemented a **real-time wishlist system** to let users shortlist and organize destinations they wish to visit.
- Integrated **dynamic map directions** with shortest route planning to assist users in efficient travel scheduling.
- Designed an **interactive UI** with a **patriotic theme**, smooth hover animations, and rounded buttons for an engaging experience.
- Built a **review and rating system** for each tourist spot to enhance reliability and user trust.

Gesture Controlled Virtual Mouse 📁 | [Python](#), [OpenCV](#) & [MediaPipe](#)

Jan 2025

- **Developed a touch-free virtual mouse system** that enables users to control mouse cursor and actions using hand gestures captured through a webcam.
- Implemented **real-time hand detection and tracking** using **MediaPipe** and **OpenCV** to capture live video frames and extract hand landmarks.
- Mapped **finger positions to mouse events** (e.g., moving cursor, left click, right click, scroll) using gesture recognition.
- **Processed video frames** in real-time to detect hand landmarks (e.g., fingertips) and translated these into corresponding system mouse controls.

CERTIFICATIONS

- ORACLE Multicloud Architect Professional
- SQL Intermediate
- AWS Certified Cloud Practitioner
- ADOBE UI/UX Graphic Design Certificate
- Graph Theory Programming Camp

ACHIEVEMENTS

- SQL Basic
- Adobe India Hackathon
- **3 Stars in Python**
- CSS Battle