

# SUMIT KUMAR

Lucknow, Uttar Pradesh

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LinkedIn

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HackerRank

## 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