Swayam Kumar

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Education

VIT Bhopal University, Madhya Pradesh   *2022 – 2026*
- B.Tech (Computer Science and Engineering)   —   CGPA: 8.30 / 10

Class XII – CBSE   *2020 – 2021*
- Divine Public School, Maharajganj, UP   —   Percentage: 86.20%

Class X – CBSE   *2018 – 2019*
- St. Joseph's School, Maharajganj, UP   —   Percentage: 86.67%

Technical Skills

- **Programming Languages:** Java, Python, HTML/CSS, JavaScript, SQL

- **Areas of Interest:** Data Structures and Algorithms (DSA), Software Development, Database (DBMS)

- **Tools and Technologies:** Visual Studio Code, XAMPP Server, SQL Workbench, Microsoft Office, Canva

- **Operating Systems:** Windows, macOS

Project Experience

Face based attendance system using python and OpenCV   *Oct 2023 – Dec 2023*
- Face Registration: Users register by entering their ID and name, then capture around 50 facial images using the webcam, which are stored in the TrainingImage folder for training.

- For model training, converts images to numeric data and trains the face recognition model.

- Mark Attendance by recognizing faces and record attendance in subject-wise .csv files.

- Attendance records can be viewed in a tabular format directly through the system interface.

E-Commerce Platform with Virtual Try-On   *Feb 2024 – Apr 2024*
- Bulid an AR-based Virtual Try-On e-commerce platform.

- Used image processing to create an interactive shopping experience.

- Improved user engagement and customer confidence via virtual product try-ons.

- Technologies Used: HTML, CSS, JavaScript, Python (AR)

Restaurant Reservation System   *Aug 2024 – Oct 2024*
- Develop a system that allows users to make, change, or cancel table bookings and check availability instantly.

- Include options to view available tables based on seating capacity (for small or large groups).

- Use MongoDB for database management and enable real-time server-client communication.

- Technologies Used: HTML, CSS, JavaScript, MongoDB(database).

Additional Projects

- **Tic Tac Toe Game:** Developed a browser-based 2-player game with win detection, responsive UI, and reset control.

- **Music Keyboard:** Developed a simple sound-playing keyboard of different instruments using HTML, CSS, JS.

- **Quiz:** Developed a simple web application that allows users to create and play quiz games using HTML, CSS, JS.

Certifications & Training

- **Problem Solvers – Mastering DSA** – FACE Prep, Jan-Apr 2025

- **Computer Networking: The Bits and Bytes** – Coursera (Google IT Support Series)

- **Cloud Computing** – NPTEL, Jan-Apr 2024 (12 Weeks Course) (Elite Certified)

- **AWS Cloud Practitioner** – I have experience and exposure to cloud platforms like AWS, for deploying solutions. Jan-Apr 2025 (12 Weeks Course)

Achievements

- Completed the 100 Days Coding Challenge to enhance coding skills and demonstrate consistency.

- Solved 170+ problems on LeetCode.