

# Parth Bhanti

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## PROJECTS

### Voice Assistant – Using Python libraries

Developed a voice-activated assistant using Python, integrating voice and face recognition with OpenAI's GPT-3. The system authenticates users via voice or face recognition, responds to natural language queries, and performs actions such as opening applications.

Implemented real-time speech recognition, face recognition using `face_recognition` and `cv2`, and voice synthesis with `pyttsx3` to create a seamless, interactive user experience.

### Insertion Sort Visualizer

Developed a real-time insertion sort algorithm visualization using Pygame. Integrated sound effects with `winsound` to enhance the user experience, allowing dynamic visual and auditory feedback during sorting operations. Designed an intuitive interface where bars represent array elements, showcasing sorting steps in a visually engaging manner.

### Matrix Calculator – Logic Programming

I developed a matrix multiplier of any order in C, showcasing my proficiency in algorithmic implementation and programming skills. This project involved designing and implementing an efficient matrix multiplication algorithm, demonstrating my understanding of data structures and computational complexity. Through this experience, I honed my problemsolving abilities and gained valuable insights into optimizing code for better performance. This project not only strengthened my C programming skills but also provided hands-on experience in handling numerical computations and algorithmic design.

### QR Code Generator – Web Development

Built a QR Code Generator web app using HTML, CSS, and JavaScript. Utilized the <https://api.qrserver.com> QR code generation API for dynamic code creation, showcasing frontend development skills and API integration.

## EXPERIENCE

### **Event Management and Outreach – GDSC VIT Bhopal**

Served as a team member in the Event Management and Outreach domain of the GDG Community at VIT Bhopal. Coordinated and facilitated various community events, collaborated with team members to ensure seamless execution, and actively engaged in outreach efforts to expand the community's network and visibility. Developed strong organizational and communication skills while working in a fast-paced, team-oriented environment. I am eager to use my past experience with this community to enhance my participation for a new role in the community.

### **Assembly Committee – Event Management**

As an active member of the Assembly Committee during my tenure in school, I assumed a pivotal role as a front-facing representative in the management of various events. My responsibilities included coordinating and overseeing logistical aspects, ensuring seamless execution of events, and serving as a liaison between participants and the organizing team. This experience not only enhanced my organizational and interpersonal skills but also cultivated my ability to thrive in dynamic, fast-paced environments. I developed a keen eye for detail, effective communication, and adept problem-solving as we worked collaboratively to create memorable and successful events. I am eager to bring these valuable experiences to GDSC and contribute to its mission of fostering a vibrant and engaging campus community.

## EDUCATION

### **Goenka Public School, Laxmangarh -- *Intermediate***

May 2021 – May 2023

Completed Intermediate (10+2) with my subjects being Mathematics, Physics, Chemistry with 93.6% in CBSE.

### **VIT Bhopal University, Bhopal – *B.Tech***

September 2023 – Present

Pursuing B.Tech in Computer Science and Engineering, acquiring expertise in programming and software development.

GPA for Semester 1: 9.22

GPA for Semester 2: 9.85

Current CGPA : 9.55

### **Languages**

1. Hindi
2. English

### **Achievements**

1. **CodeChef** | Rating 1146 | Highest Rating 1197
2. **Android Club VIT Bhopal** | Web development project during MEET AND GREET event

### **SKILLS**

1. C / C++
2. Figma
3. Event Management