

Vaibhav Singh

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GitHub

LinkedIn

EDUCATION

- Shri Ramswaroop Memorial University** 2nd Year
Bachelor of Computer Applications CGPA: 7.38
- Rani Laxmi Bai Memorial School** 2021
CBSE, Uttar Pradesh Percentage: 74.33%
- Rani Laxmi Bai Memorial School** 2023
CBSE, Uttar Pradesh Percentage: 77.8%

PERSONAL PROJECTS

- Hand Gesture Control with AI Assistant**
Developed a contactless desktop control system using hand gestures, achieving 90% recognition accuracy, integrated with an AI voice assistant. Enabled users to interact with desktops without touching the device, improving accessibility and user experience.
Tools & technologies used: Python, OpenCV, MediaPipe, SpeechRecognition, pyttsx3, Microsoft Azure Speech.
- Desktop Assistance**
Created a productivity-enhancing desktop application that supports voice commands, reminders, and information retrieval. Boosted user productivity by integrating multiple functionalities in one platform.
Tools & technologies used: Python, C, MySQL, Google Calendar API, OpenWeatherMap API, Google Cloud Speech-to-Text, Microsoft Azure Speech.
- EVA – AI-Powered Personal Assistant**
Built an AI-powered assistant with face recognition, speech synthesis, and note-taking capabilities.
Tools & technologies used: Python, OpenCV, TensorFlow, Speech Synthesis, NLP, Tkinter (for GUI), SQLite
- Face Recognition System**
Developed a face recognition system capable of identifying individuals with 80-85% accuracy under varying conditions. Integrated into a real-time surveillance application for enhanced security.
Tools & technologies used: Python, OpenCV, TensorFlow, Dlib, MySQL, Django, Haar Cascades.
- Akinator Web Clone**
Built a web-based game that mimics Akinator, narrowing down user choices through a series of questions. Achieved 80-85% accuracy in predicting the person based on answers provided.
Tools & technologies used: HTML, CSS, JavaScript, React.js, MongoDB.
- Instagram Web Clone**
Developed a full-stack web application replicating Instagram's core functionalities, including real-time chatting and notifications. Created a scalable social platform with real-time communication features.
Tools & technologies used: HTML, CSS, JavaScript, React.js/Vue.js, MongoDB, AWS/GCP/Azure.

TECHNICAL SKILLS AND INTERESTS

Technical Skills: Python, C, C#, C++, Java, HTML/CSS, MySQL

Soft Skills: Critical Thinking, Problem Solving, Teamwork, Adaptability, Time Management, Creativity, Collaboration

Field of Interest: Web Development, Cybersecurity, Artificial Intelligence with Machine Learning, Front-End, Back-End, UI/UX

POSITIONS OF RESPONSIBILITY

- Work as a Class Representative, 2023-2024** -
Acted as a liaison between students and faculty, coordinated class activities, and facilitated communication.
- Work as a Voice Captain , 2022-2023** -
Responsible member of different clubs in my college and also help to maintain the guidelines.

CERTIFICATES

- RemarkSkill Summer Training and Internship 2024 on AI with Machine Learning** 2024
RemarkSkill Certificate Issued