

Sachin Rawat

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About

Skilled developer with expertise in Python, JavaScript, MERN Stack, and SQL. Experienced in building innovative projects like desktop assistants, social media platforms, and weather apps. Proficient in ReactJS, NodeJS, and modern tools like Git and VS Code, delivering efficient, user-focused solutions.

Education

Guru Gobind Singh Indraprastha University <i>B.Tech. in Information Technology</i>	2021 – Present GPA – 8.2
• Coursework: Computer Architecture, Comparison of Learning Algorithms, Computational Theory	
Rajkiya Pratibha Vikas Vidyalaya <i>Class 12th CBSE</i>	2021 85%
Rajkiya Pratibha Vikas Vidyalaya <i>Class 10th CBSE</i>	2019 82%

Technical Skills

Languages: Python, C/C++, JavaScript, SQL

Web Technologies: HTML, CSS, NodeJS, React, MERN Stack

Developer Tools: Git, GitHub, VS Code, Atom, API Integration, Postman

Projects

Voice Assistant	Preview
<ul style="list-style-type: none">Designed an intelligent desktop assistant with 10+ core features, including secure face authentication, voice command execution, and multimedia management, enhancing user productivity and accessibility.Implemented face recognition using opencv-python and text-to-speech capabilities with pyttsx3, providing a seamless and interactive user experience. (wolframalpha), and audible feedback for accessibility.Optimized desktop automation processes, system commands, and screenshots, resulting in faster execution.<i>Tools Used: Python, PyQt5, OpenCV, PyAutoGUI</i>	
Social Media App	Preview
<ul style="list-style-type: none">Developed a social media application with over 5+ core features, including secure user authentication, tweet posting, liking, commenting, and following, resulting in increase in user engagement.Executed CRUD operations for posts, users, and comments, enhancing database performance and reducing response time through optimized indexing and caching.<i>Tools Used: React.js, MongoDB, Node.js, Express, Tailwind</i>	
Weather App	Preview
<ul style="list-style-type: none">Built a backend project to fetch and display real-time weather data using APIs.Utilized Postman for API testing and debugging.<i>Tools Used: JavaScript, Node.js, Postman, API</i>	

Certification

FullStack Web Development Udemy	Nov 2023
Published Paper <i>in IRJMTS</i>	