

RAJAT PETKAR

Pune, India | 8421689721 | rajatpetkar250@gmail.com

SUMMARY

Computer Engineering student with a strong foundation in data structures, algorithms, and object-oriented programming. Experienced in C++, Python with hands-on projects in web development, and data management using MongoDB. Demonstrated problem-solving skills through hackathons, including a winning team project (**SIH Hackathon**). Seeking an internship to further develop technical expertise and contribute to innovative solutions

WORK EXPERIENCE

Automation Manifold Company | Internship

Jan 2024 - Apr 2024

- Developed and maintained Java applications using Swing for UI components.
- Collaborated with team members to troubleshoot and optimize code for better performance.

EDUCATION

Pune Institute of Computer Technology

Aug 2024 - Aug 2027

Savitribai Phule Pune University (SPPU)

Bachelor of Computer Engineering

CGPA :- -----

Government Polytechnic, Nagpur

Aug 2021 - Aug 2024

An Autonomous Institute of Government of Maharashtra

Diploma in Information Technology

Percentage :- 96.20%

Janta High School, Deoli

Aug 2020 - Aug 2021

Maharashtra State Board of Secondary and Higher Secondary Education

SSC

Percentage :- 93.20%

ACHIEVEMENTS

Smart India Hackathon 2023 (SIH) Winner

- Led a team to victory by developing an innovative solution to a real-world problem in the national-level competition.

Automation Manifold Company Internship

- Worked on a Java application using Swing, enhancing my coding and problem-solving skills over a 4-month period.

Diploma in IT

- Completed with strong focus on programming, logic design, and algorithms.

College Level Idea Presentation Winner

- Represented in multiple presentations and technical challenges
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PROJECTS

Male-Female Detection Project

- Developed a gender detection system using Python and OpenCV.
- Implemented computer vision techniques to analyze facial features.
- Utilized pre-trained machine learning models to accurately classify images as male or female based on real-time data.

Simple Chat Website

- Developed a basic real-time chat application using HTML, CSS, and JavaScript for the front-end.
- Implemented a backend using Node.js and Express, with WebSocket for real-time messaging.
- Allowed multiple users to join chat rooms, send and receive messages in real-time.
- Focused on creating a clean and responsive user interface.

Developed a RESTful API for managing tasks

- CRUD operations for tasks and user management.
- Authentication and authorization using JWT (JSON Web Tokens).
- Implemented data validation and error handling.
- Designed endpoints to create, read, update, and delete tasks, and manage user profiles.
- Utilized MongoDB to store task data and user information, with Mongoose for schema management.

Sign Language Interpreter for Deaf and Mute

- Description: Developed a web application that translates sign language into text and speech for deaf and mute individuals, facilitating communication and accessibility.

Technologies Used:

- Three.js: For rendering 3D models of sign language gestures and interactions.
- Node.js: For building the server-side logic and handling API requests.
- React.js: For creating an interactive and user-friendly front-end interface.

E-Commerce Website for Client

- Description: Created a dynamic and interactive e-commerce website tailored to client requirements, offering a seamless shopping experience with robust functionality.

Technologies Used:

- Frontend: React.js (for building the user interface and managing state)
 - Backend: Node.js (for handling server-side logic and API integrations)
 - Database: MongoDB (for managing product listings, user data, and order details)
 - Additional Libraries/Tools: Express.js (for routing and middleware), Axios (for API requests), Bootstrap (for styling and responsive design)
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SKILLS

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|--------|------------|-------|
| • HTML | • REACT | • C++ |
| • CSS | • NODE | • SQL |
| • JS | • MANGO DB | |