

# RUTUJ RAUT

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## EDUCATION

<b>JSPM's Rajarshi Shahu College of Engineering, Tathawade, Pune</b>	<b>2022-2026</b>
<i>Bachelor of Technology in Computer Engineering</i>	<i>CGPA: 9.42</i>
<b>DSM College Jintur, Dist. Parbhani</b>	<b>2019-2021</b>
<i>Higher Secondary Certificate from Maharashtra Board</i>	<i>Percentage: 97.67</i>
<b>Jawahar Vidyalaya Jintur, Dist. Parbhani</b>	<b>2018-2019</b>
<i>Secondary School Certificate from Maharashtra Board (10th)</i>	<i>Percentage: 93.6</i>

## SKILLS

- Languages:** C++, JavaScript, SQL, C, HTML, CSS  
**Frameworks:** React.js, Node.js, Express.js, Tailwind CSS, Bootstrap  
**Databases:** MySQL, MongoDB  
**Developer Tools:** Git, GitHub, VS Code  
**Soft Skills:** Leadership, Collaboration, Teamwork, Communication

## PROJECTS

<b>BookBazaar</b>   <i>Node.js, Express.js, MongoDB, React.js, Redux, Tailwind CSS</i> <a href="#">Git</a>	<b>Aug 2025 – Sep 2025</b>
• Developed core backend modules for an online bookstore using Node.js, Express.js and MongoDB, managing an inventory of books and processing over 100 simulated transactions through the checkout process.	
• Engineered a secure backend with JWT authentication, designing RESTful APIs to support an admin panel and enable 4 core CRUD (Create, Read, Update, Delete) functionalities for inventory management.	
• Improved backend database (MongoDB) performance, achieving a 20% faster search speed via query optimization and enhanced intelligent search/filtering.	
<b>NoteVault</b>   <i>Node.js, Express.js, MongoDB, React.js, Tailwind CSS, Upstash Redis</i> <a href="#">Git</a>	<b>Apr 2025 – May 2025</b>
• Built a full-stack MERN application for note-taking, implementing 5 CRUD API endpoints with Node.js and Express.js to enable efficient and secure management of user notes.	
• Integrated Upstash Redis to implement intelligent rate-limiting (100 requests/min), proactively mitigating potential traffic abuse and enhancing overall application security and availability.	
• Constructed a responsive and interactive user interface using React.js and Tailwind CSS, developing 4 reusable components that ensured a seamless user experience across multiple devices.	
<b>WeatherNow</b>   <i>Node.js, Express.js, Handlebars, OpenWeatherMap API</i> <a href="#">Git</a>	<b>Nov 2024 – Dec 2024</b>
• Engineered and deployed a real-time weather forecasting application, successfully integrating the third-party OpenWeatherMap API to deliver real-time, accurate data for over 1,000 global cities.	
• Enhanced application performance, improving loading efficiency by 15% through optimized Handlebars templating and reusable UI components.	
• Structured project with clear folder organization and managed a Git repository with multiple commits, facilitating effective collaboration.	

## POSITIONS OF RESPONSIBILITY

<b>Shaashwat Club, JSPM RSCOE</b>	<b>Jan 2023 – May 2025</b>
<i>Active Member</i>	<i>Pune</i>
• Researched innovative omnidirectional wind turbines, identifying potential to improve power output by up to 40%.	
<b>Competitive Coding, JSPM RSCOE</b>	<b>Aug 2023 – Sep 2024</b>
<i>DSA Lead</i>	<i>Pune</i>
• Mentored 100+ programmers, fostering collaboration through coding sessions and peer mentorship.	

## ACHIEVEMENTS

<b>Competitive Coding Milestone</b>	<b>2022 – Present</b>
• Solved 450+ LeetCode problems while maintaining 330-day coding streak, showcasing strong DSA skills.	
<b>Winner: Logica 3.0</b>	<b>May 2024</b>
• Secured First Place in Logica 3.0, a district-level project competition.	

## COURSEWORK

- Data Structures and Algorithms, Object-Oriented Programming, Database Management System