

RUTUJ RAUT

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EDUCATION

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

BookBazaar <i>Node.js, Express.js, MongoDB, React.js, Redux, Tailwind CSS</i> Git <ul style="list-style-type: none">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.	Aug 2025 – Sep 2025
NoteVault <i>Node.js, Express.js, MongoDB, React.js, Tailwind CSS, Upstash Redis</i> Git <ul style="list-style-type: none">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.	Apr 2025 – May 2025
WeatherNow <i>Node.js, Express.js, Handlebars, OpenWeatherMap API</i> Git <ul style="list-style-type: none">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.	Nov 2024 – Dec 2024

POSITIONS OF RESPONSIBILITY

Shaashwat Club, JSPM RSCOE <i>Active Member</i> <ul style="list-style-type: none">Researched innovative omnidirectional wind turbines, identifying potential to improve power output by up to 40%.	Jan 2023 – May 2025 <i>Pune</i>
Competitive Coding, JSPM RSCOE <i>DSA Lead</i> <ul style="list-style-type: none">Mentored 100+ programmers, fostering collaboration through coding sessions and peer mentorship.	Aug 2023 – Sep 2024 <i>Pune</i>

ACHIEVEMENTS

Competitive Coding Milestone <ul style="list-style-type: none">Solved 450+ LeetCode problems while maintaining 330-day coding streak, showcasing strong DSA skills.	2022 – Present
Winner: Logica 3.0 <ul style="list-style-type: none">Secured First Place in Logica 3.0, a district-level project competition.	May 2024

COURSEWORK

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