

# JATIN PATHAK

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## Education

<b>Ramrao Adik Institute of Technology, D. Y. Patil Deemed to be University</b> <i>B.Tech in Information Technology (Minor: Data Science), CGPA: 8.52/10</i>	<b>August 2022 – Present</b> <i>Navi Mumbai, India</i>
<b>Lakshya Junior College &amp; High School</b> <i>12th Grade, Percentage: 66%</i>	<b>August 2020 – July 2022</b> <i>Kalyan</i>
<b>ST. Thomas Convent High School</b> <i>10th Grade, Percentage: 89.40%</i>	<b>May 2010 – July 2020</b> <i>Dombivli</i>

## Experience

<b>RV Networking</b> <i>Frontend Developer Intern</i>	<b>September 2024 – Present</b> <i>Nerul, India</i>
<ul style="list-style-type: none"><li>Developed the company website <b>from scratch</b>, ensuring seamless <b>user experience</b>, brand alignment, and responsive design across devices.</li><li>Utilized React, Tailwind CSS, and modern JavaScript <b>to build a scalable, maintainable codebase</b>, streamlining future development.</li></ul>	

## Projects

<b>Credit Card Fraud Detection</b>   <i>Python, NumPy, Pandas, Scikit-learn, Seaborn, Matplotlib, XGBoost</i>	<b>October 2024</b>
<ul style="list-style-type: none"><li>Balanced classes using SMOTE, RandomUnderSampler, and RandomOverSampler for reliable predictions.</li><li>Built and evaluated models (Logistic Regression, Decision Tree, Random Forest, XGBoost) with key metrics like <b>F1-Score and ROC-AUC</b>.</li><li>Visualized data with Seaborn and Matplotlib for enhanced insights and model interpretability.</li></ul>	
<b>Sign Language Recognition System</b>   <i>Python, OpenCV, NumPy, MediaPipe</i>	<b>April 2024</b>
<ul style="list-style-type: none"><li>Optimized Python codebase of sign language model, boosting accuracy.</li><li>Achieved over <b>90% correct</b> translations in validation tests.</li></ul>	
<b>PetConnect</b>   <i>HTML, CSS, Javascript, PHP, MySQL</i>	<b>November 2023</b>
<ul style="list-style-type: none"><li>Developed a responsive and interactive website to educate users on tailored diet plans for various pets, enhancing awareness of pet nutrition.</li><li>Utilized HTML, CSS, and JavaScript for a user-friendly frontend experience, ensuring seamless navigation and engagement across devices.</li><li>Implemented MySQL and PHP for backend functionality, facilitating dynamic content delivery and efficient data management to support user inquiries.</li></ul>	

## Technical Skills

**Languages:** Java, HTML/CSS, JavaScript, Python  
**Frameworks:** React, NodeJS, TailwindCSS  
**Tools:** Git  
**Technologies:** Artificial Intelligence, Data Science, MERN Stack

## Leadership

<b>CSI-RAIT</b> <i>Technical Head</i>	<b>August 2024 – Present</b> <i>Navi Mumbai, India</i>
<ul style="list-style-type: none"><li>Organized and conducted a workshop on C programming fundamentals, developing engaging presentation materials and hands-on exercises to enhance understanding and encourage active participation.</li><li>Collaborated with team members to effectively promote the workshop, achieving a successful turnout and positive feedback from participants.</li></ul>	

## Extracurricular

<b>Hacktober Fest</b> <i>Runner-Up</i>	<b>October 2024</b> <i>GDG, RAIT, Navi Mumbai</i>
<ul style="list-style-type: none"><li>Participated in a collaborative coding event focused on open-source contributions, covering Git/GitHub basics and best practices, while engaging in hands-on problem-solving sessions and coding challenges.</li></ul>	
<b>Smart India Hackathon</b> <i>Qualified</i>	<b>August 2024</b> <i>Nerul, India</i>
<ul style="list-style-type: none"><li>Won the Internal Hackathon at RAIT, qualifying for the next round.</li></ul>	

## Hobbies

Programming, Reading, Gaming