

# Ruturaj Patil

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## EDUCATION

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<b>DY Patil's Ramrao Adik Institute of Technology</b> <i>B. Tech Computer Engineering , CGPA: 8.82</i>	Mumbai, India <i>2021 – 2025</i>
<b>People's Education High School and Jr. College</b> <i>HSC (Class 12th), Score: 88.50%</i>	Thane. India <i>2019 – 2021</i>
<b>S.E.S High School and Jr. College</b> <i>SSC (Class 10th), Score: 85.20%</i>	Thane, India <i>2006 – 2019</i>

## PROJECTS

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- WanderLust** | (*JavaScript, Express, Node.js, MongoDB, Bootstrap, Passport, Mongoose, HTML, CSS*)
- Developed an accommodation management web app using Node.js, Express, MongoDB, and Bootstrap.
  - Integrated session middleware and error-reduction techniques, resulting in a 30% decrease in user-reported issues.
  - Implemented Passport.js for robust user authentication and Joi validation for data integrity, achieving a 99% success rate in user login and data validation processes.
- Car Pool System** | (*Java, Data Structure and Algorithms*)
- Developed an efficient Car Pool System for ride-sharing, optimizing cab availability and reducing wait times by 25%.
  - Utilized Dijkstra's algorithm on a weighted directed graph for optimal route determination, improving route efficiency by 40%.
  - Presented alternative pickup points for user convenience, increasing user satisfaction by 20%.
- YouTube Clone** | (*React JS, Redux Toolkit, Javascript, Tailwind CSS*)
- Implemented debouncing and caching techniques, reducing API calls by 67% and significantly improving performance.
  - Integrated a live chat feature for real-time user interaction, boosting user engagement by 50%.
  - Redesigned infinite scrolling for seamless user experience, increasing user retention by 30%.

## TECHNICAL SKILLS

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- **Languages:** Java, JavaScript, SQL
- **Frameworks:** MERN Stack (MongoDB, Express, React, Node.js), Bootstrap
- **Databases:** MySQL
- **Tools:** Git, Github, VS Code

## CERTIFICATES

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**Web Development course completion by Apna College**  
**Data Structures and Algorithm in JAVA by Apna College**

## ACHIEVEMENTS

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- Academic Excellence Award Recipient: Awarded for consistent high grades.
- Demonstrated dedication, teamwork, and leadership in regional cricket competitions, driving team success through consistent performance.
- JEE Mains 2021: Secured 82.06 Percentile.

## CODING PLATFORMS

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- **Leetcode Practice** ([link](#))