

# PUSHPAK PATEL

B.Tech.

Computer Science & Engineering

Malaviya National Institute of Technology, Jaipur

[Portfolio Website](#)

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[LeetCode](#)

## EDUCATION

- Malaviya National Institute of Technology, Jaipur** **2026**  
B.Tech. in Computer Science & Engineering CGPA: 7.69
- O.P. Jindal School, Raigarh** **2022**  
Senior Secondary School (CBSE), Class 12 96.4%
- O.P. Jindal School, Raigarh** **2020**  
Secondary School (CBSE), Class 10 98.0%

## TECHNICAL SKILLS

- Programming Languages:** C, C++
- Web Technologies:** HTML, CSS, JavaScript, Node.js, JWT, Redux Toolkit, Zustand, MongoDB, Firebase
- Frameworks:** TailwindCSS, React.js, Express.js, Stream Chat, Google OAuth
- Version Control & Developer Tools:** Git, GitHub, VS Code, PyCharm, Google Colab
- Relevant Coursework:** Data Structures & Algorithms, Database Management System, Object-Oriented Programming, Operating System

## PERSONAL PROJECTS

- Realtime Language Exchange Platform** [GitHub](#) [LiveURL](#) [Demo](#) **June 2025 - July 2025**  
React.js, Node.js, Express.js, MongoDB, TailwindCSS, Tanstack Query, Zustand, Stream Chat
  - Built a production-ready full-stack language exchange platform with real-time chat and 1:1 video calling capabilities using StreamChat SDKs.
  - Implemented secure JWT-based authentication with protected routes and onboarding flow, enabling seamless signup/login and user role handling.
  - Created a robust friends system, allowing users to send/accept friend requests and manage connections with real-time feedback.
  - Integrated TanStack Query (React Query) for reliable data fetching, caching, and syncing with the backend, enhancing app scalability.
- AI Trip Planner** [GitHub](#) [LiveURL](#) [Demo](#) **May 2025 - June 2025**  
React.js, Firebase, TailwindCSS, ShadCN UI, Google OAuth, Gemini AI
  - Developed and launched a full-featured travel planning application that generates personalized itineraries based on user input (destination, days, budget, group size).
  - Integrated Gemini AI API to dynamically generate day-by-day travel plans, hotel recommendations, and must-visit locations with contextual awareness.
  - Implemented Firebase Authentication and Google Sign-In, enabling secure user login and account management.
  - Gained hands-on experience with AI integration, user-centric UI design, and deploying scalable, client-facing applications.
- Real Estate Marketplace** [GitHub](#) [Demo](#) **January 2025 - February 2025**  
React.js, Node.js, Express.js, MongoDB, TailwindCSS, Redux Toolkit, Firebase, Google OAuth
  - Developed a full-stack real estate application using the MERN stack (MongoDB, Express.js, React.js, Node.js), emphasizing real-world CRUD operations.
  - Created secure user authentication systems including JWT, Firebase Auth, and Google OAuth, ensuring seamless and protected user sessions.
  - Designed and integrated advanced search functionality enabling users to filter property listings by custom criteria, improving discoverability.
  - Incorporated image upload capability and property management features using React and cloud storage (Firebase), improving content handling and overall user engagement.

## ACHIEVEMENTS

- Data Structures & Algorithms (DSA):** Solved 500+ problems across platforms including LeetCode and GeeksforGeeks (GFG). **2022 - Present**
- Academic Excellence:** Achieved **98.91 percentile** in JEE Mains 2022, ranking under 10,000 among 1 million+ candidates. **2022**
- National Talent Search Examination (NTSE):** Awarded the prestigious NTSE Scholar title. **2020**
- Mathematics Olympiad (INMO):** Qualified for the Indian National Mathematics Olympiad. **2020**