

PIYUSH PRAJAPATI

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EDUCATION

Thakur College of Engineering & Technology (TCET)

Bachelor of Technology in Artificial Intelligence & Machine Learning

Mumbai, India

Sep 2024 – Jun 2028

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, SQL

Technologies: MongoDB, Express.js, React.js, Node.js (MERN), WebSocket, Socket.io, Passport.js, Cloudinary, Mapbox

Tools: Git, RESTful APIs, Render, MongoDB Atlas, Helmet, bcrypt, Session Management

Competencies: Full-Stack Development, Backend Development

PROJECTS

Confera – Real-Time Video Conferencing Platform | *MERN Stack, Socket.io, WebRTC, Tailwind CSS*
[Live Link](#)

- Developed full-stack video conferencing platform enabling users to schedule, host, and join secure meetings with real-time collaboration
- Implemented low-latency bidirectional communication using Socket.io and WebRTC for seamless video, audio, and chat across concurrent rooms
- Engineered custom Glassmorphism UI with Tailwind CSS and optimized animations delivering responsive, lag-free user experience
- Optimized backend reliability on Render free-tier hosting with custom keep-alive health check strategy ensuring 24/7 availability

Stayzio – Accommodation Booking Platform | *Mapbox, Cloudinary, Passport.js*

[Live Link](#)

- Built production-ready booking platform with scalable architecture handling property listings, reservations, and user reviews
- Implemented secure authentication using Passport.js with session management and developed RESTful API with CRUD operations
- Integrated Mapbox API for geolocation-based property discovery and Cloudinary for optimized cloud image management
- Designed responsive UI and deployed on Render with MongoDB Atlas for production-grade hosting and database management

EXPERIENCE

Documentation Team Member – Placement Assessments

TCET Shastra Coding Club, Mumbai

Jul 2025 – Present

- Compiled and analyzed mock coding test results from HackerRank for 100+ pre-final year students preparing for placements
- Created structured data reports with scores, rankings, and performance metrics ensuring accuracy across multiple test batches
- Coordinated with club leadership to deliver comprehensive documentation supporting student placement preparation

ACHIEVEMENTS & CERTIFICATIONS

- **Young Turks'25 Challenge** – Successfully completed Round 1 of Infosys competitive technical challenge
- **HackerRank Certified** – Java (Basic) and SQL (Basic) certifications validating core programming proficiency