

Raj Patel

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SUMMARY

Motivated and detail-oriented B.Tech Computer Science student with strong expertise in full-stack web development using the MERN stack. Skilled in building scalable, responsive, and secure applications, optimizing RESTful APIs, and implementing authentication systems.

SKILLS

- **Frontend:** HTML, CSS, JavaScript, React, Tailwind CSS, Responsive Design
- **Backend:** Node.js, Express.js, RESTful APIs
- **Database:** MongoDB, Mongoose
- **Other Tools & Technologies:** Git, GitHub, Postman, JWT, Vercel, Render
- **Programming:** Java, OOP, Data Structures & Algorithms
- **Data Science:** Python, Pandas, NumPy, Matplotlib, Seaborn.

PROJECTS

- **Notlefy – Real-Time Chat & Note Sharing App** *Nov 2024 – Mar 2025*
 - Developed a full-stack chat application with integrated sentiment analysis to auto-generate conversation topics.
 - Enabled group creation and secure note sharing with admin-controlled read/write permissions.
 - Stack: React, Tailwind CSS, Node.js, Express.js, MongoDB, Socket.io, TensorFlow.
 - Deployment: Frontend on Vercel, Backend on Render.
- **Learning Point – Collaborative Notes Platform** *April 2025 – Aug 2023*
 - Built a web app to help students share and access notes categorized by class or standard.
 - Implemented secure authentication and media upload features for verified users.
 - Stack: React, Tailwind CSS, Node.js, Express.js, MongoDB, Cloudinary, JWT.
 - Deployment: Frontend on Vercel, Backend on Render.
- **Admin Dashboard for Product Management** *Apr 2024 – May 2024*
 - Developed a CRUD-based product management dashboard for shopkeepers.
 - Implemented role-based access control with encrypted authentication.
 - Stack: Tailwind CSS, Node.js, Express.js, MongoDB.
 - Deployment: Frontend on Vercel, Backend on Render.

EDUCATION

- B.Tech in Computer Science | Shri Ramswaroop Memorial University | Aug 2022 – May 2026
- Intermediate (12th Grade) | Gyandeep Inter College | May 2020 – May 2021
- High School (10th Grade) | Gyandeep Inter College | May 2018 – May 2019

KEY ACHIEVEMENTS

- Authentication System: Developed and deployed a secure login system .
- API Optimization: Increased RESTful API performance server-side optimizations.