

# Patel Jaykumar Rakeshbhai

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## PROFESSIONAL SUMMARY

Computer Science student with expertise in full-stack development, algorithmic problem-solving, and AI fundamentals. Proficient in MERN stack, React.js, and modern web technologies. Developed real-world projects, including real-time applications and algorithmic solutions. Certified in AI, Advanced JavaScript, React.js, DSA, and HackerRank, with a passion for scalable tech solutions and continuous learning.

## EDUCATION

**SSIT - Shree Swaminarayan Institute of Technology**

*B.Tech - Computer Science and Engineering - CGPA: 9.26*

Gandhinagar, Gujarat

2024 – Present

## PROJECTS

**URL Shortener Web App** | MERN Stack, Node.js, MongoDB

In Progress, Expected: Jul 2025

- Developing a full-stack application to generate and track shortened URLs with real-time click analytics.
- Implemented RESTful APIs using Express and Node.js; stored URL mappings in MongoDB for scalability.
- Designed responsive UI with React and Tailwind CSS, supporting 1000+ daily requests.

**Realtime Chat Web App** | MERN Stack, Socket.io, JWT, Tailwind CSS

Mar 2025

- Developed a real-time chat application with user authentication, one-to-one messaging, and online status tracking.
- Integrated Socket.io for instant message delivery and live updates without page refresh.
- Implemented JWT-based login system and stored messages/user data in MongoDB.
- Designed responsive UI with React and Tailwind CSS for cross-device experience.

**Sudoku Solver in JavaScript** | JavaScript, HTML5, CSS3

Apr 2025

- Built a web-based Sudoku solver using backtracking algorithm, solving 9x9 puzzles in under 100ms.
- Implemented interactive UI with HTML5 and CSS3 for puzzle input and solution visualization.
- Added puzzle validation and difficulty selection, enhancing user experience.

## CERTIFICATIONS

AI and Green Skill — Edunet Foundation — Jun 2025

Advanced JavaScript — GeeksforGeeks — May 2025

DSA 160 Days Challenge — GeeksforGeeks — Expected: Nov 2025

HackerRank Intermediate — HackerRank — Apr 2025

HackerRank Basic — HackerRank — Dec 2024

React.js — IBM — Mar 2025

## TECHNICAL SKILLS

**Programming Languages:** Python, C/C++, JavaScript, SQL

**Frameworks**

**Technologies:** HTML5, CSS3, React, MongoDB, Express, Node.js, Django, Bootstrap, Tailwind CSS

**Developer Tools:** Git, GitHub, Postman, VS Code, PyCharm, Anaconda, MongoDB Compass

## ACHIEVEMENTS

Secured 1st Rank in 6th Semester GTU Exam.

Secured 1st Rank in Box Cricket Tournament.

Completed 160 days of GeeksforGeeks 160 Days DSA Challenge, solving problems on arrays, strings, and searching algorithms.