

# Pratik Rajendra Kolhe

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## Summary

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Aspiring Software Engineer with a strong foundation in Data Structures and Algorithms using C++ and problem-solving. Proficient in Full-Stack Web Development using the MERN Stack (MongoDB, Express, React, Node.js) with experience building scalable applications. Eager to leverage technical expertise to build impactful digital solutions.

## Education

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**Vellore Institute Of Technology, Bhopal**  
*BTech in Computer Science and Engineering*  
*CGPA: 7.48*

*Graduation Year: Dec*  
*2027*

## Projects

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### CareerPulse – Student Career Dashboard

*Tech Stack: React.js, Node.js, MongoDB, Tailwind CSS*

- Developed a responsive career tracking platform with React.js and Glassmorphism UI, featuring dynamic opportunity cards updated automatically by backend data.
- Built a robust REST API with Express & MongoDB to handle data ingestion from custom web scrapers, supporting filtering, search, and user subscription logic.
- Integrated Firebase Authentication for secure Google Sign-In and Nodemailer for transactional email notifications, ensuring 0% missed deadlines for users.

### SmartSpot: Intelligent Parking Management System

[GitHub Link](#) 

*Tech Stack: React.js, Node.js, Express, Python, REST APIs*

- Engineered SmartSpot, a full-stack automated parking solution visualizing real-time slot occupancy using a React.js dashboard and Node.js backend.
- Integrated ML/IoT detection logic with a responsive web interface via custom RESTful APIs, ensuring instant data synchronization for users.
- Reduced manual monitoring efforts by implementing a dynamic status system (Red/Green indicators) that updates automatically based on sensor inputs.

## Skills

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**Languages:** C++, Java, Python, JavaScript, HTML, CSS

**MERN Stack & Web:** MongoDB, Express.js, React.js, Node.js, Tailwind CSS

**Tools:** Git, GitHub, VS Code

## Certifications

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**The Bits and Bytes of Computer Networking** – Coursera