

# RITIK MANGAL

Full Stack developer

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Dynamic web developer with practical full-stack development expertise using cutting-edge tools like Node.js and MongoDB. I'm a strong team player and problem-solver who has improved user experience and performance by successfully contributing to scalable online apps. enthusiastic about promoting efficiency and innovation in technological solutions. I developed a solid foundation in fundamental computer science topics over the course of four years, including databases, software engineering, computer networks, algorithms, and data structures.

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## EDUCATION

### ***BTECH – COMPUTER SCIENCE AND ENGINEERING***

Shriram Institute of Information Technology (RGPV Bhopal)

2020 – 2024

GPA: 8.02

### ***12<sup>th</sup> (PCM)***

Padma Girls Higher Secondary School, Gwalior

2019 - 2020

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## PROJECTS

### **Khata Book**

*Technologies – Node Js, MongoDB, Angular, Express*

Small business owners may manage customer balances, record credit/debit transactions, and issue automated payment reminders with Khata Book, a digital bookkeeping tool. The backend is supported by a Mongo Db database for real-time data consistency, is constructed with a microservices architecture and RESTful APIs, and is secured by JWT and HTTPS.

### **E Commerce**

*Technologies – Node Js, MongoDB, React, Express*

Customers can browse products, add them to their carts, and safely place orders utilizing integrated payment methods on this e-commerce website. While the backend uses Node.js and Express.js to manage API queries, user authentication, and order processing, the frontend is constructed with React.js to provide a dynamic user experience. Order history, product listings, and user information are all stored in MongoDB.

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## SKILLS

- **Languages and Framework:** Html/CSS, JavaScript, React Js, Bootstrap
  - **Backend Technologies:** Node Js, Express Js, Mongo DB
  - **Software and Tools:** WordPress, Git
  - **CS Core Subjects:** Database Management System, Computer Network, Computer Architecture, Operating System, Object Oriented Programming
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## INTERNSHIP

- ***Shya Innovates***

*Web Developer*

December 2024- May 2025 Gwalior, Madhya Pradesh

I'm learning a lot about full-stack development and improving my front-end, back-end, and database administration skills thanks to this internship. Working with cutting-edge technologies like Node.js, Angular/React, Express.js, and MongoDB gives me real-world experience creating scalable, safe, and effective web apps. Working with seasoned developers helps me prepare for real-world web development challenges by teaching me best practices in API development, authentication, performance optimization, and responsive UI design.

- ***IntelligentBots***

*Stem Trainee*

October 2022 – October 2023 Gwalior, Madhya Pradesh

Leading robotics company IntelligentBots creates state-of-the-art automation solutions for sectors like logistics, manufacturing, and healthcare. We are dedicated to fostering innovation and work to improve production, safety, and efficiency by utilizing cutting-edge robotics technology. With the help of our 2 months Robotics Stream Trainee internship, interns can work with professionals and participate in practical automation projects while gaining practical experience in robotics engineering and programming.

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## CERTIFICATIONS

- Innovate India Coding Championship
- Internship Certificate