

# NIKHIL SINGH

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## EDUCATION

Vellore Institute of Technology, Bhopal  
B.TECH in computer science and technology

June 2021-July 2025  
8.58 cgpa

## SKILLS

- **Programming Languages:** Python(basic), JavaScript
- **Web Development:** MERN Stack, AWS (Lambda, S3, EC2), MongoDB Atlas
- **Database Management:** SQL, MongoDB

## TECHNICAL EXPERIENCE

### Web Development, Techno Planner LLP

July 2024-September 2024

- Collaborated with frontend teams to synchronize backend systems with UI components, improving development efficiency by 20%.
- Engineered and maintained robust backend architectures powering applications used by over 3,000 daily active users.
- Designed and integrated RESTful APIs, incorporating third-party services to enhance platform capabilities by 15%.
- Optimized database queries, reducing system latency by 30% and enhancing overall performance.
- Deployed applications on VPS, ensuring 99.8% uptime and secure releases, minimizing deployment errors by 10%.

## PROJECTS

### KHEL INFO

October 2024

- Attracted 500 visitors within 24 hours by launching an engaging sports website featuring live scores, player stats, blogs, and news, delivering real-time updates and a user-friendly experience.
- Engaged over 300 users with an AI chatbot for cricket fans, increasing site interaction by 25% within the first month.
- Leveraged third-party APIs to deliver real-time sports data with score updates every 5 seconds, ensuring users received the latest information instantly.
- Optimized site performance on a VPS, achieving 99.9% uptime and a 20% improvement in page load speeds, enhancing overall user satisfaction.

### G-SHIF

September 2023

- Enhanced 50+ product listings and integrated a shopping cart, facilitating seamless transactions and improving the customer shopping experience.
- Developed a user-friendly React interface to enhance website navigation and improve product discovery, projecting a 30% increase in daily active users and a 20% boost in session duration based on usability testing and feedback.
- Order Management and Real-Time Tracking streamlined order processing and integrated tracking features with a Node.js backend, cutting handling time by 25% and boosting customer satisfaction by 15%.
- Chatbot Support deployed a 24/7 chatbot that automated customer responses, slashing inquiry handling time by 50%.

## ACHIEVEMENTS AND CERTIFICATION

- Published a research paper on the integration of drone technology into farming practices, contributing to the advancement of precision agriculture and sustainable farming methods.
- Secured Elite+Silver distinction in NPTEL's Cloud Computing certification.

- Completed Coursera's Introduction to Self-Driving Cars, gaining foundational knowledge in autonomous vehicle technologies.
- Earned a certification in Computer Vision from Vityarthi, showcasing expertise in image processing and object detection techniques.

## **HOBBIES**

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Mobile photography & editing (1.5 years), Video editing, Reading (6 months), Volleyball (2 years)