

# Satish Kumar

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## EDUCATION

<b>National Institute of Technology, Karnataka (NITK)</b> <i>Master of Computer Applications (MCA)</i>	Aug. 2024 – May 2027 CGPA: 8.31
<b>Banaras Hindu University, Varanasi</b> <i>Bachelor of Science in Mathematics</i>	Aug. 2020 – May 2023 CGPA: 7.61

## PROJECTS

<b>College Notes</b>   <a href="#">Live Project</a>   <i>ReactJS, Tailwind CSS, Netlify, Vite</i>	June 2025 – Present
<ul style="list-style-type: none"><li>Launched a responsive web platform enabling students to access semester-wise course materials and textbooks.</li><li>Implemented dynamic routing and content rendering using React Router and structured JSON data.</li><li>Crafted consistent UI components with Tailwind CSS to ensure cross-device responsiveness.</li><li>Optimized deployment and routing using Netlify's redirect rules and build tools.</li></ul>	
<b>NITK Hostel</b>   <a href="#">Live Project</a>   <i>MERN Stack, JWT, Material-UI, Axios, Vite</i>	Nov. 2024 – May 2025
<ul style="list-style-type: none"><li>Architected a full-stack web application to manage hostel operations, events, personnel, and notifications at NITK</li><li>Built a secure admin portal with JWT-based authentication with role-based access and bcrypt encryption</li><li>Implemented RESTful APIs using Express.js and MongoDB for efficient CRUD operations and real-time data updates.</li><li>Enhanced UI/UX using Tailwind CSS, Material-UI and centralized state via React Context API.</li><li>Optimized performance via modular architecture, component-level code splitting with Lazy Loading, and Vite's build optimizations.</li></ul>	

## TECHNICAL SKILLS

**Languages:** C, C++, JavaScript, HTML, CSS, SQL

**Frameworks & Libraries:** React.js, React Native, Node.js, Express.js, Mongoose

**Tools & Platforms:** Git, GitHub, VS Code, Postman, MongoDB Atlas, Netlify

**Development:** MERN Stack, REST APIs, Modular Components, Secure Auth, Routing, State Management

**Design:** Figma (Wireframing, Prototyping)

**CS Concepts:** Data Structures & Algorithms, OOP (C++), DBMS

## ACHIEVEMENTS

- Secured All India Rank 159 in NIMCET, a national-level entrance exam for MCA programs.
- Attracted 5,000+ visits on the "College Notes" platform, showcasing strong engagement and content value.