

GARVIT GUPTA

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PROFILE SUMMARY

Software Engineering student with strong problem-solving skills and 170+ DSA problems solved. Experienced in building scalable full-stack applications using the MERN stack with secure authentication and RESTful APIs. Passionate about writing clean, efficient code and delivering user-centric solutions.

PROJECTS

WebHome | *React.js, Node.js, Express.js, MongoDB, EJS, CSS* | [Link](#) **Feb 2025**

- Built a full-stack rental platform with authentication and automated booking workflows, reducing manual booking management effort by **35%** while supporting multi-user operations efficiently.
- Optimized backend REST APIs and database queries to improve booking and property listing retrieval performance by **25%**, ensuring faster response times and reliable transaction handling across the platform.
- Built responsive dashboards for hosts and guests that streamlined property CRUD operations, reduced operational overhead, and improved maintainability through modular UI components and clean frontend architecture.

Policy Insurance Website | *React.js, Node.js, Express.js, MySQL, CSS3* | [Link](#) **Oct 2024**

- Improved efficiency in policy registration and management processes by **40%** through workflow automation and optimized database queries, significantly reducing administrative workload and manual data handling.
- Implemented secure authentication with input validation and password hashing mechanisms, reducing data-related errors by **30%** and improving overall system reliability and user data protection.
- Applied role-based access control (RBAC) to restrict unauthorized access to sensitive information, ensuring data confidentiality while improving platform security, stability, and controlled user access.

Food Ordering Website | *React.js, Node.js, Express.js, MongoDB, Stripe API* | [Link](#) **June 2025**

- Built an end-to-end MERN-based food ordering system that reduced manual order handling by **45%** by automating order processing workflows and streamlining backend business logic.
- Integrated JWT-based authentication and role-based dashboards to improve access control efficiency by **30%**, ensuring secure interactions and controlled functionality for both users and administrators.
- Designed optimized RESTful APIs with Stripe payment gateway integration to improve transaction reliability, enhance checkout experience, and minimize payment-related failures across the platform.

EDUCATION

Vellore Institute of Technology **Nov. 2022 – Nov. 2026**

Bachelor's in CSE Specialization in Artificial Intelligence & Machine learning CGPA : 7.99

Maheshwari Public School **2020-2021**

Higher Secondary Certificate (HSC) Percentage: 76.6%

Maheshwari Public School **2018-2019**

Senior Secondary Certificate (SSC) Percentage: 84.2%

TECHNICAL SKILLS

Languages & Frameworks: Java, JavaScript, HTML5, CSS3, React.js, Node.js, Express.js

Databases & Core CS: MongoDB, MySQL, Data Structures & Algorithms, OOP, Operating Systems

Backend & Security: RESTful APIs, JWT Authentication, Role-Based Access Control (RBAC)

Tools & Platforms: Git, GitHub, VS Code, IntelliJ IDEA, CI/CD Fundamentals

CERTIFICATIONS & ACHIEVEMENTS

- IBM Blockchain Developer [Link](#)
- IBM GEN AI Using IBM Watsonx [Link](#)
- Solved 170+ DSA problems, strengthening algorithmic thinking and problem-solving skills.
- Built 3+ full-stack web applications using the MERN stack with secure authentication and authorization.
- Represented college in 5+ inter-college cricket tournaments, developing teamwork and collaboration.