



GARVIT GUPTA

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PROFILE SUMMARY

Aspiring Software Developer student with 170+ DSA problems solved. Built 3 full-stack applications with JWT authentication, RESTful APIs, RBAC, MongoDB/MySQL databases, and Stripe payments—optimizing performance 25-45%. Seeking Software Development Engineer position.

TECHNICAL SKILLS


Languages & Frameworks: Python, Java, JavaScript, HTML5, Tailwind CSS, 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, CI/CD pipelines, software testing concepts, debugging tools


PROJECTS

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

- Built full-stack rental property platform with **Passport.js authentication** and Express session management
- Built automated booking system reducing manual management by **35%** through validation and conflict detection
- Designed **RESTful APIs** for property **CRUD operations**, user management, and booking workflows
- Created responsive **EJS templates** with **form validation** and implemented **MVC architecture**
- Collaborated with cross-functional stakeholders to debug, test, and validate production-grade features

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

- Built insurance management system with **JWT authentication** and **bcrypt password hashing**
- Automated policy workflows reducing administrative processing time by **40%** through optimized SQL queries
- Implemented input validation and sanitization reducing data integrity errors by **30%**
- Designed **Role-Based access Control** (RBAC) securing sensitive user data and policy information
- Created normalized **MySQL schema** with foreign key relationships for efficient data management

Food Ordering Website | *React.js, Node.js, Express.js, MongoDB, Stripe API* |  [Link](#) **Jun 2024**

- Built **MERN stack** food ordering platform reducing manual order processing by **45%**
- Implemented **JWT-based authentication** with secure token generation, storage, and session validation
- Developed **Role-Based dashboards** for customers and administrators with separate permissions
- Designed **RESTful API endpoints** for menu management, cart operations, and order tracking
- Integrated **Stripe payment gateway** with **webhook handling** for secure payment processing
- Created **MongoDB schemas** with indexing for users, products, orders, and cart management

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%**

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.