# GARVIT GUPTA

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## PROFILE SUMMARY

Aspiring Software developer with strong foundations in data structures and backend systems. Experienced in building secure REST APIs using Node.js, Express, and SQL/NoSQL databases. Passionate about solving real-world problems through efficient architecture and clean code.

## TECHNICAL SKILLS

**Languages & Frameworks:** Python, Java, JavaScript, HTML5, Tailwind CSS, React.js, Node.js, Express.js
**Databases & Core CS:** MongoDB, MySQL, Data Structures & Algorithms, OOPs
**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

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|---|---:|
| **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.