GARVIT GUPTA

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PROFILE SUMMARY

Final-year CSE (AI/ML) 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.

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**
- Optimized **MongoDB queries** and indexing improving property retrieval performance by **25%**

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
- Developed React component library with **Tailwind CSS** for forms, dashboards, and admin panels

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%*

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, IntelliJ IDEA, AWS(Basic), 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.