Harshil Gupta

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Education

The LNM Institute of Information Technology, Jaipur, B.Tech in Electronics and Communication Engineering	Oct 2020 – May 2024

- CGPA: 7.2

Experience

SDE 1, **Deloitte Touche Tohmatsu India LLP** — June 2024 – Present

Project: VoiceFunnel

- Developed full-stack features across 2 enterprise projects using TypeScript, ReactJS, NodeJs, Python, and PostgreSQL — **designed modules similar to microsite architecture**, automated routing and ID generation, boosting task efficiency by 35%, and delivered a testing solution that reduced deployment-related errors by 90%
- Designed and implemented secure, scalable REST APIs for survey scoring and Active Directory routing, integrating **rate-limiting to prevent DoS Attacks** and significantly reduce API downtime.
- Built a real-time dashboard that enables authenticated users to securely download specific survey responses in CSV Format. Implemented **JWT-based session management** and access control, ensuring secure data handling and reducing manual data retrieval by 60%.
- Automated a survey route builder with real-time JSON schema editing, enhancing functionality across 10+ use cases — **eliminating 100% of manual routing work.**.

Project: AuditVerse

- Built and maintained backend modules interlinking all audit stages (Risk Assessment, Planning, Fieldwork, and Reporting), cutting manual effort by 60% and ensuring seamless data consistency across the system.
- Automated PowerPoint report generation using Python, reducing per-slide creation time from 5 minutes to in under 10 seconds, and implemented report versioning logic for 100% traceability and 40% higher data accuracy.
- Designed and deployed a **secure file management system** using AWS S3 with role-based access control and advanced validation checks, **blocking suspicious uploads** and improving overall system security by 85%.
- Developed an AWS EventBridge-based asynchronous **email and task notification system**, automating alerts, reminders, and long-running workflows, reducing API response time by 40% and manual communication by 100%.

Projects

Car Rental Website — GitHub

- Architected a MERN stack car rental platform featuring 40% faster booking flows through optimized API endpoints and MongoDB aggregation pipelines
- Developed 5+ interactive React components with dynamic state management (Redux Toolkit + Context API), achieving 90% Lighthouse accessibility scores
- Implemented JWT authentication with **RBAC (Role-Based Access Control)**, supporting 2 distinct user roles (admin/customer) and encrypting 100% of sensitive transactions
- Skills: MERN Stack (MongoDB, Express, ReactJS, Node) | RESTful APIs | OAuth 2.0 | Role-Based Authorization | Component-Driven Development

Technologies

Languages: C++, Java, JavaScript, HTML, CSS, Python, SQL

Libraries/Frameworks: ReactJS, ExpressJS, NodeJS, Django

Databases: MongoDB, PostgreSQL

Developer Tools: VS Code, Git, GitHub, Postman