MD GUFRAN

Laxmi Nagar, New Delhi

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PROFESSIONAL SUMMARY

Backend-focused engineer with hands-on experience in API development, automation frameworks, and production-scale fintech systems. Currently working as an SDET Intern at Freecharge (Axis Bank), with hands-on exposure to fintech systems and production-scale workflows. Strong understanding of system design basics, REST APIs, and performance optimization, with a solid foundation in JavaScript, Java, and SQL.

EXPERIENCE

Freecharge (Axis Bank) ↗   **Jan 2026 – Present**
SDET Intern   *Gurugram, Haryana*

- Designed and implemented UI automation test cases using Playwright, covering critical user journeys and edge cases.
- Performed API testing using Postman and Rest Assured, validating request/response behavior and backend logic
- Built a scalable API automation framework from scratch, taking full ownership of architecture and execution
- Optimized API automation by refactoring database connection handling — reused a single DB connection per test run and closed it post-execution, significantly reducing overall execution time
- Worked closely with Backend and Frontend engineers to debug issues, validate fixes, and understand end-to-end system workflows

PROJECTS

MediLab+ Plus ↗ | React, Node.js, Express.js, MongoDB, JWT   **2024**

- Full-stack medical appointment booking system built with the MERN stack (MongoDB, Express.js, React, Node.js) for a medical diagnostics platform to showcase services, departments, and doctor profiles.
- Implemented mobile-first design principles, achieving cross-browser compatibility and 99 percent Lighthouse accessibility score.
- MediLab+ provides a complete solution for managing medical appointments with separate interfaces for patients, doctors, and administrators.

FullStack Movie App ↗ | React, Node.js, Express.js, MongoDB, JWT, Mongoose   **2025**

- Built a full-stack movie streaming platform with secure user authentication, dynamic content management, and admin dashboard functionality.
- Developed RESTful APIs for movie CRUD operations and real-time user interactions, optimizing backend response by 30 percent.
- Integrated Multer for image uploads, JWT-based access control, and responsive frontend using SwiperJS.
- Deployed app on Render and managed source control via Git/GitHub.

AI-Component-Generator ↗ | React, Vite, Tailwind CSS, Google Gemini API   **2025**

- Developed an AI-driven component generator that converts natural-language prompts into responsive HTML/CSS/Tailwind code, improving developer productivity by 80 percent.
- Integrated Google Gemini API for intelligent prompt parsing and fenced-code extraction; implemented secure API key management and modular architecture.
- Enhanced UI/UX using Monaco Editor, React Select, and React Toastify to provide real-time previews and error handling.

QuickNotes ↗ | Kotlin, Jetpack Compose, Firebase Firestore   **2024**

- Created a note-taking application supporting real-time creation, editing, and synchronization via Firebase Firestore.
- Designed a clean Material 3 UI with seamless navigation using Navigation Compose.
- Achieved instant synchronization across sessions with offline persistence and optimized read/write operations.

TECHNICAL SKILLS

Backend: Node.js, Express.js, MongoDB, MySQL, Firebase, REST API
Frontend: React.js, HTML5, CSS3, Tailwind CSS, JavaScript
Languages: Java, JavaScript, Kotlin, SQL, C
Testing : Playwright, Postman, Rest Assured, TestNG
Tools/Platforms: Git, GitHub, Android Studio, VS Code, IntelliJ, Postman, Firebase

EDUCATION

Dronacharya Group of Institutions   **2022 – Present**
*Bachelor of Technology (B.Tech) – CSE - **CGPA - 8***   *Greater Noida, Uttar Pradesh*

Sarvodaya Bal Vidyalaya   **2021**
*Senior Secondary Education (CBSE) - **Percentage - 80%***   *Laxmi Nagar, Delhi*

Sarvodaya Bal Vidyalaya   **2019**
*Secondary Education (CBSE) - **Percentage - 82%***   *Laxmi Nagar, Delhi*

CERTIFICATIONS

- App Building with AppSheet - Google Cloud Skills Boost
- BrowserStack Test Automation with Nightwatch.js - BrowserStack
- Cybersecurity Essentials - CISCO
- AWS Academy Graduate - AWS Academy Cloud Foundations - Amazon Web Services Training and Certification