

EDUCATION

Bachelor of Technology in Computer Science (Data Science)

Manipal Institute of Technology, Bengaluru

2023 – 2027

SKILLS

Languages: C++, JavaScript, SQL
Frontend: React, Vue.js, Tailwind CSS, HTML, CSS
Backend: Node.js, Express.js, REST APIs
Databases: PostgreSQL, MongoDB, MySQL
Testing: Selenium, TestNG, Postman, JMeter, Jest
Tools: Git, GitHub, AWS, Vite
Core: Data Structures & Algorithms, Object-Oriented Programming, System Design

EXPERIENCE

Software Quality Assurance Intern | Testhouse, Thiruvananthapuram

Jun 2026 – Jul 2026

- Improved test coverage across functional, regression, cross-browser, and cross-OS testing by writing and executing **500+ manual test cases** and finding **50+ defects** across core application workflows.
- Reduced repetitive manual testing by automating **50+ test cases** using **Selenium** and **TestNG**, creating a regression suite for consistent test execution.
- Tested API and application performance by validating **10+ APIs** using **Postman** and running **25+ load and stress test scenarios** with **JMeter** to check performance against client requirements.

Frontend Developer Intern | Comorin Consulting Service, Nagercoil

May 2024 – Jul 2024

- Built role-based access for an event management platform with **5 modules**, integrating REST APIs and fixing bugs, resolving errors, and improving workflows across all modules for different user roles.
- Built a separate **admin portal** to create and modify events, manage access, approve event join requests, and ban users.

PROJECTS

AI Tester Agent | Autonomous QA System

Live Site | GitHub

- Built an AI-powered testing agent using **Node.js** and **Gemini API** that runs **60+ test cases** across **7 categories** including functional, API, UI, security, performance, accessibility, and deployment testing.
- Reduced duplicate page fetches from **53% to 0%** and crawl time by **87%** through BFS traversal, visited-set deduplication, and batched concurrency.
- Added **GitHub integration** with an AI assistant that analyzes the codebase, answers security and validation queries, and suggests fixes for failed tests and identified issues.
- Tech:** Next.js, React, Tailwind CSS, Zustand, Node.js, Express, LangGraph, Gemini API, Selenium, Postman, OWASP ZAP

Faculty Appointment Portal | Faculty Scheduling System

Live Site | GitHub

- Built a full-stack faculty appointment platform that lets students find and book available faculty slots, with separate workflows for **3 user types**: students, faculty, and admins.
- Prevented double-booking during concurrent requests using **PostgreSQL transactions** and row-level locking, automatically handling conflicting requests when a slot is confirmed.
- Tested the platform with **72 automated tests** using **Jest** and **Supertest**, covering unit and real-database integration flows through a **GitHub Actions** CI pipeline on every push.
- Tech:** React, Vite, Tailwind CSS, Node.js, Express, PostgreSQL, JWT, Jest, Supertest, GitHub Actions

LEADERSHIP & AWARDS

- Winner, ATOS SRIJAN Hackathon 2026** – Won the **Digital Workplace** track at a nationwide hackathon with **3,000+ registered teams**, reaching the **80-team finals** with an autonomous AI-powered QA system.
- ACM SIGSOFT Chair (2025–2026)** – Led a **200+ member** student community and organized **8 technical events**, including **4 hackathons**, **3 workshops**, and a **coding contest**; conducted a 3-day web development workshop for **100+ students**.
- ACM SIG AI Webmaster (2024–2025)** – Built websites for **4 hackathons**, **CODE-AI 2025**, and the ACM chapter while helping organize the events; recognized among the chapter's **Top 5 Contributors**.
- Freelance Developer** – Delivered **5 client projects** across India, USA, and Singapore, managing development from requirements to deployment and generating **200+ leads in the first week** for an EdTech client.
- Open Source Contributor** – Contributed **7 merged pull requests** to open-source projects, including feature improvements and bug fixes.
- NSS Operational Head** – Organized a week-long summer camp with plantation, cloth donation, cleaning, and awareness activities, along with separate blood donation and campus drives involving **100+ student volunteers**.