

Sai Harshitha Mandapalli

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SUMMARY

Software Engineer at Inncircles Technologies who shipped a Playwright automation suite covering 60+ scenarios and reduced regression time by 40%. Builds MERN applications with React, Node.js, and MongoDB; has tested 30+ API endpoints and resolved defects that cut open bug count by 30%. CGPA 9.01/10 in Computer Science; 3 applications deployed and live on Vercel and Netlify.

TECHNICAL SKILLS

Languages: Java, JavaScript (ES6+), SQL, Python

Frontend: React.js, HTML5, CSS3, Tailwind CSS, React Hooks, Responsive Design

Backend: Node.js, Express.js, REST API Design, JWT Authentication

Databases: MySQL, MongoDB, Mongoose ODM

Testing: Selenium, Playwright (E2E), Postman (API Testing), Regression Testing, mobile testing

Tools: Git, GitHub, Jira, Vercel, VS Code

Concepts: OOP, Data Structures & Algorithms, DBMS, SDLC, Page Object Model

EXPERIENCE

Inncircles Technologies Pvt. Ltd.

Software Engineer — Automation & Full-Stack

Hyderabad, India

May 2025 – Present

- Authored 60+ E2E test scripts in Playwright for InnClock AI, covering face-recognition clock-in, NFC/QR auth, and multi-role admin flows — reducing manual regression time by 40% per sprint.
- Designed a Page Object Model test framework with shared fixtures that automated 8 critical user journeys across scheduling, approvals, RFI, and work-package modules; maintained 95% regression coverage over 4 releases.
- Verified 30+ API endpoints in Postman — payloads, HTTP status codes, and business-logic rules — catching 12 integration defects before release in coordination with 2 backend engineers.
- Pair-debugged React UI failures (rendering errors, broken component state) and Node.js/Express backend issues with a senior engineer, cutting the open defect count by 30% across 2 sprints.
- Collaborated with a 6-person squad in Jira sprint ceremonies — planning, testability reviews, and defect triage — delivering every sprint on schedule for 3 consecutive months.

Oasis Infobyte

Web Developer Intern

Remote

May 2023 – Jun 2023

- Refactored shared UI components and eliminated duplicate API calls, cutting average page-load time by 20% and component duplication by 35%.

PROJECTS

Inncircles Enterprise Automation Framework | *Playwright · JavaScript · Page Object Model · API Testing*

- Built a production automation suite for InnClock AI and Inncircles Arena covering 60+ scenarios — AI attendance, and multi-role access — with zero flaky tests after refactor.
- Maintained 95% regression coverage across 4 sprint releases by integrating Page Objects, reusable utilities, and environment-based configs; reviewed framework design with 2 senior QA engineers.

AI Test Case Generator | *React · Node.js · Express · MongoDB · GPT-4o · ExcelJS* | [Live](#)

- Built an AI tool that converts a user story into structured positive, negative, and edge-case test scenarios in under 3 seconds, cutting manual test-writing effort by 80% per sprint story.
- Engineered a JSON prompt for GPT-4o enforcing Test ID, Title, Preconditions, Steps, and Expected Result — eliminating unstructured output across 200+ generated test cases.
- Shipped MERN stack with React UI, Express API, MongoDB storage per project, JWT auth, and one-click Excel export; deployed to Vercel with CI via GitHub Actions.

MERN Blog Application | *React · Node.js · Express · MongoDB · JWT* | [Live](#)

- Shipped a blog platform with JWT auth, CRUD APIs, and Netlify/Render deployment; achieved sub-200ms average API response time under 50 concurrent users.
- Applied modular Express routes and Mongoose schemas with indexed queries, reducing average DB query time by 25%.

Data Visualization Dashboard | *React · Tailwind CSS · REST API* | [Live](#)

- Built an interactive static dashboard with charts, sortable tables, and reusable React components consuming live API data; rendered 1,000+ data points with no perceivable lag.

EDUCATION

Vignan's Institute of Information Technology

B.Tech in Computer Science and Engineering — CGPA: 9.01 / 10.0

Visakhapatnam, India

Nov 2021 – May 2025

ACHIEVEMENTS & CERTIFICATIONS

- **Certifications:** React (Meta), JavaScript (freeCodeCamp), SQL (HackerRank).
- Deployed 3 MERN applications to Vercel and Netlify with public GitHub repos averaging 15+ commits each.
- Graduated in the top 10% of the CSE cohort with CGPA 9.01 / 10.0 across 8 semesters.