SIDDHARTH GANTA

Computer Science Engineering Graduate | Software Engineer

Computer Science Engineering graduate with 6+ months of experience in automation testing of web applications. Proficient in Java, SQL, Selenium, and Playwright. Skilled in building automation frameworks, executing functional and regression tests, and working in Agile environments. Strong foundation in software development, data structures, and algorithms.

✉ siddharthganta27@gmail.com
📍 Hyderabad, India
⌨ github.com/amsidsh

📱 +919391361770
in linkedin.com/in/siddharth-ganta-782789250

EDUCATION

Bachelor of Technology | CSE
Kakatiya Institute of Technology and Science Warangal

12/2021 - 04/2025   *CGPA : 8.34*

EXPERIENCE

Cybersecurity Intern
Cisco Networking Academy

04/2023 - 06/2023   *Remote, India*

Achievements/Tasks
- Completed intensive, hands-on training in **network security**, **threat analysis**, and **risk mitigation** aligned with industry best practices and enterprise standards
- Designed and simulated secure network infrastructures using **Cisco Packet Tracer**, implementing routing, switching, and firewall configurations to model real-world scenarios
- Explored core cybersecurity concepts including **access control**, **intrusion detection**, and **secure system design**
- Applied industry-standard practices to analyze vulnerabilities and propose mitigation strategies for enterprise environments
- Gained foundational knowledge in **cyber defense**, contributing to secure infrastructure planning and implementation

GenC Intern
Cognizant

01/2025 - 06/2025   *Chennai, India*

Achievements/Tasks
- Automated web application testing using **Selenium WebDriver**, reducing manual testing efforts by **60%** and accelerating release cycles in an **Agile** development environment
- Performed **functional, regression, and API testing** to ensure system reliability and compliance with quality standards across complex workflows
- Integrated automation scripts into **CI/CD pipelines**, improving deployment efficiency and reducing post-release defects
- Collaborated with cross-functional teams to identify test scenarios, enhance test coverage, and streamline QA processes
- Utilized tools like **TestNG**, **Postman**, and **Jenkins** to streamline testing processes and enhance reporting and debugging efficiency

SKILLS

C | Java | SQL | HTML | CSS | Javascript | Selenium | Playwright | RestAssured | Manual Testing | Automation Testing | Git

PROJECTS

Secure De-Duplication and Recovery with Public-Key Encrypted Keyword Search (07/2024 - 04/2025)
- Designed a secure storage system supporting **encrypted keyword search** and **intelligent data deduplication**, improving data privacy, retrieval efficiency, and storage optimization in distributed environments
- Implemented **Elliptic Curve Cryptography (ECC)** for lightweight public-key encryption and **BLAKE2 hashing** for fast, collision-resistant data processing
- Designed a **Flask-based web interface** for user interaction and keyword-based retrieval of encrypted data and Integrated **MongoDB** for scalable and secure data storage in distributed environments
- **Tech Stack:** Python, ECC, BLAKE2b, Flask, MongoDB

Automation of Job Category Workflow – OrangeHRM Portal (02/2025 - 03/2025)
- Developed **Selenium WebDriver** scripts to automate creation, validation, and deletion workflows in the OrangeHRM portal
- Integrated **TestNG** for structured test execution and **Apache POI** for Excel-based data handling and enhanced automation framework with reusable components and modular test scripts for scalability and maintainability
- Conducted **data-driven**, **functional**, **regression**, and **cross-browser testing**, generating detailed HTML reports to improve test coverage and reliability
- **Tech Stack:** Java, Selenium, Apache POI, TestNG

Interest & EMI Calculator Automation (04/2025 - 06/2025)
- Automated EMI calculations for Car Loan, Home Loan, and EMI Loan modules using **Selenium WebDriver** and **TestNG**, validating outputs across multiple datasets
- Enabled **PDF/Excel downloads**, share link verification, and logged results using **Apache POI**; executed tests on **Selenium Grid** for cross-browser compatibility
- Optimized test execution time by implementing parallel testing and dynamic waits, improving overall test efficiency
- **Tech Stack:** Java, Selenium, Apache POI, TestNG, Selenium Grid

CERTIFICATIONS

Project Management & Entrepreneurship (NPTEL)

Quality Engineering with Selenium Automation (QEA)