Tirth Solanki

B-15, K.P. Park-2, Kosamba, Gujarat. (394120)

📞 +91 95125-25115 ✉ tirthsolanki29923@gmail.com 💼 linkedin.com/in/tirth ⬡ github.com/tirth29

Education

Sardar Vallabhbhai National Institute of Technology (SVNIT)   12/2021 - 05/2025
Bachelor of Technology in Computer Science and engineering.   *Surat, Gujarat*
Relevant Coursework: Data Structures and Algorithms, Distributed Systems, Database Management System, Cloud computing, Design and Analysis of Algorithms, Computer Networks, Operating System, etc.

Experience

E2open — *Associate Software Engineer*   **08/2025 - Present**

- Enhanced a **Java-based analytics backend**, handling feature requests, bug fixes, and system improvements; managed **Kafka-driven distributed data pipelines** to ensure high-throughput and data integrity for ETL processes.
- Designed and implemented an **end-to-end automated testing framework** (API + UI) using **PyTest and Playwright**, covering **200+ test cases** across **5 browsers** and **6 user roles**, **eliminating 90% manual testing effort**.
- Built a fully **containerized test execution flow** with automated setup and teardown, running locally via **Podman + PowerShell** and in **Jenkins CI/CD using Docker and Groovy pipelines**, enabling fast and repeatable runs.
- Improved release confidence and regression stability by standardizing test environments and CI execution, significantly reducing test flakiness and manual intervention.

Augean EntERPrise solution — *Backend Developer Intern* — Certificate   **01/2025 - 07/2025**

- Developed a high-performance data migration engine using **Django, Celery and Redis** for asynchronous processing, enabling bulk import of 10,000+ records with automated validation and real-time error logging.
- Developed the purchase flow for lace and dupatta covering orders, inward, returns, GRNs, debit notes In Django REST Framework, and implemented a **new inventory mechanism** to track stock at **packet** and **piece** levels.
- Diagnosed and resolved 10+ high-priority production bugs and generated 15+ analytical reports to drive data-informed business decisions.
- Optimized database performance by implementing **select_related/prefetch_related** to eliminate N+1 query problems, significantly reducing latency for complex transaction and report queries.

Quantasis Solution — *Frontend Developer Intern* — Certificate   **06/2024 - 08/2024**

- Engineered a responsive, end-to-end e-commerce platform using **Angular**, integrating complex state management for shopping carts and order tracking to enhance user conversion rates.

WictroniX — *Web Developer Intern* — Certificate   **10/2023 - 01/2024**

- Developed a full-stack traffic analysis platform using **React and Django**, architecting the integration layer between frontend interfaces and Machine Learning models.

Coding Profile

<u>CodeChef:</u> 1688 (max. rating), Rank 18 out of 3200+ participants in Starter 114 contest.
<u>LeetCode:</u> 1698 (max. rating), 300+ problems solved

Technical Skills

Programming Languages: C/C++, Java, Python, JavaScript, TypeScript, SQL, HTML/CSS
Backend Technologies: Django, Node.js, Express, Spring Boot, Kafka, RabbitMQ, Redis, Celery
Frontend Technologies: React, React Native, Angular, Redux, Next.js
Databases & Storage: MySQL, MongoDB, Postgresql, Oracledb, AWS s3.
DevOps, CI/CD & Tools: Jenkins, Bamboo, Docker, Podman Desktop, AWS, Git, GitHub, Postman, Playwright

Leadership

Managerial Manager, *Mindbend, SVNIT Surat*   **10/2023 - 05/2024**

- Managed and organized 10 managerial events as part of Gujarat's largest techno-managerial fest, Mindbend. Successfully registered over 1500 teams, contributing to a total prize pool of 1.1 lakh rupees.