**Automated Test Scripts & Frameworks**

* **Tools**: Selenium for UI-level testing, JMeter for load testing, PyTest for backend services, Robot Framework for CI/CD validation, and proprietary ML model validation scripts.
* **CI Integration**: Integrated with GitHub Actions and Jenkins pipelines for real-time execution post-merge.
* **Custom Suites**: 5G-specific orchestration tests simulating handover failures, ultra-low-latency use cases, and edge-based scenarios.
* **Scalability**: Supports parallel execution across distributed virtual environments.