

SUMON SOURABH GHOSH

QA Engineer with 1.7+ years of experience at Tata Consultancy Services, working in Agile environments on functional, regression, and deployment validation testing. Strong understanding of application workflows, backend behavior, APIs, and server-side systems. Hands-on experience with Python-based testing, defect tracking, and system-level validation, enabling effective root-cause analysis and high-quality software delivery.

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 India (Open to Relocation / Remote)

WORK EXPERIENCE

Tata Consultancy Services

Assistant System Engineer

06/2022 - 02/2024

- Worked in Agile Scrum teams, collaborating with developers, testers, and stakeholders across sprint cycles.
- Performed manual testing including functional, regression, and sanity testing for application features.
- Designed and executed test cases based on business requirements and user workflows.
- Logged, tracked, and verified defects to ensure proper resolution.
- Assisted in backend and deployment validation, including API behavior and server response checks.
- Participated in post-deployment testing and SSL/security verification activities.
- Acted as Group Leader for trainee Assistant System Engineers, providing guidance and task coordination.

EDUCATION

Sathyabama Institute of Science and Technology

B.E / B.Tech in Electronics and Communication Engineering

08/2018 – 09/2022

PROJECT

Self-Hosted Video Streaming Platform

2020 – 2024

- Built and tested a Linux-based video streaming application deployed on a home server.
- Designed test scenarios covering authentication, video playback, session handling, and failure cases.
- Performed deployment validation including SSL certificate verification and secure access testing.
- Conducted basic performance and scalability testing to identify server limitations.
- Validated secure traffic routing using Cloudflare DNS tunneling.

Hand Gesture Controlled Mouse (Python)

2023

- Developed and tested a Python-based computer vision application for gesture recognition.
- Designed test cases for gesture accuracy, latency, and edge-case behavior.
- Debugged inconsistent input issues by analyzing camera input and system behavior.

Voice-Controlled AI Assistant (Python)

2024

- Tested voice command recognition and response accuracy using speech-to-text and text-to-speech modules.
- Validated API responses from OpenAI (GPT-3.5), including error and timeout handling.
- Tested system-level commands (shutdown, reboot) with safety validations.
- Packaged and tested the application as a standalone executable using PyInstaller

SKILLS

Manual Testing 
Python 

Test Case Design 

Defect Tracking 

- Manual Testing
- Test Case Design & Execution
- Regression & Sanity Testing
- Defect Reporting & Validation
- Agile / Scrum Methodology
- API & Backend Validation
- Python (Basic Automation & Testing Scripts)
- Linux Server Basics
- SSL & Security Verification
- Git & GitHub