

Aman Kumar

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PROFESSIONAL SUMMARY

Detail-oriented Software Test Engineer with hands-on experience in Python, SQL, Selenium automation frameworks, and API testing. Strong background in data preparation, EDA, event log analysis, and dashboard creation, enabling data-driven quality validation. Skilled in building scalable automation solutions, ensuring data integrity, and improving test coverage. Passionate about process optimization, Digital Process Twins, and applying Responsible AI to enhance software quality.

PROFESSIONAL EXPERIENCE

Junior Software Tester

Lumos Learning

Jul '24 — Nov '25

Bangalore, India

As a Junior Software Tester, I design and execute automated test frameworks using **Python and Selenium**, ensuring efficient, reliable testing workflows across multiple projects. I collaborate with developers, product managers, and QA teams to enhance testing accuracy and coverage. My work focuses on **automation optimization, bug prevention, and improving user experience**, resulting in a **35% boost in regression coverage** and **20% fewer post-release issues**. Additionally, I contribute to **parallel execution frameworks, AI-integrated testing dashboards**, and continuous improvement of automation processes to maintain product quality and scalability.

Internship

Lumos Learning

Apr '24 — Jun '24

Bangalore, India

As a Software Testing Intern, I worked on both **manual and automated testing** to validate web application functionality and improve product reliability. I collaborated with senior QA engineers to execute test cases, identify and log defects, and contribute to test documentation. During this period, I gained hands-on experience with **Selenium automation, API testing using Postman, and test data analysis**, which helped strengthen my foundation in **software quality assurance and agile testing practices**.

EDUCATION

B.Tech in Honours in Computer and Engineering in Data Science, Jain (Deemed-to-be University) (GPA: 8)

Benagaluru, India

PCM in Higher Secondary School Certificate, B.D Public School (GPA: 7)

Patna, India

CERTIFICATIONS

SQL - Intermediate level, HackerRank

Data Visualisation: Empowering Business with Effective Insights, TATA

Selenium Python 101, LambdaTest

PROJECTS

Automated Amazon Review Scraper, Lumos Learning

- **Developed a robust web-scraping tool** using Selenium and Python, significantly improving data retrieval efficiency.
- **Automated the review-fetching process**, reducing manual effort by 40% and ensuring consistent, error-free data collection.
- **Designed a user-friendly interface with HTML and CSS** to enable seamless interaction for team members.

AI Automation Orchestrator, Lumos Learning

- **Developed an AI-powered Automation Orchestrator** using Python and Selenium to execute test scripts in parallel, with real-time tracking, structured JSON logging, and automated email summaries.
- **Built a Flask-based dashboard** integrated with OpenAI to present execution results in plain English, highlight failure details with screenshots, and auto-create tickets for application issues.
- **Deployed on AWS (Cloud9, Lambda) with WordPress UI integration**, enabling scalable cloud-based execution and seamless stakeholder accessibility.
- **Tech Stack**: Python, Selenium, Flask, OpenAI API, AWS (Cloud9, Lambda), WordPress, JSON Logging

SKILLS

Programming Languages Python, SQL, JavaScript

Automation Tools Selenium WebDriver, Jmeter, playwright

Testing API Testing, Mobile Testing, Web Testing, Automation Testing, Manual Testing, PyTest, Unittest

Skills pandas, NumPy, Power BI, Data Quality, Machine learning, Data Science