Aman Kumar

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SUMMARY

Proficient **Software Development Engineer in Test (SDET)** with hands-on experience in designing and developing automation frameworks using Python and Selenium. Alongside strong analytical and programming skills, I am expanding my expertise into **Data Engineering**, focusing on **Azure Cloud, Databricks, Big Data, and DBMS**. Passionate about building scalable **data pipelines**, performing **data transformation and analysis**, and leveraging **Python and SQL** to derive meaningful business insights. Adept at collaborating with cross-functional teams to ensure software reliability and data-driven decision-making.

EXPERIENCE

Junior Software Tester   Jul '24 — Present
Lumos Learning   Bangalore, India

- Developed and implemented automation scripts using Python Selenium, replacing Katalon as the primary automation tool, enhancing efficiency and test coverage.
- Collaborated with development and QA teams to gather requirements, ensuring comprehensive test coverage for complex projects.
- Collaborated with the customer to conduct usability studies, gaining valuable insights that helped improve product functionality and user experience.
- Conducted root cause analysis on defects and collaborated with developers to resolve issues, resulting in a 20% reduction in customer-reported bugs post-launch.

Internship   Apr '24 — Jun '24
Lumos Learning   Bangalore, India

- Gained proficiency in manual and automated testing, identifying software bugs, ensuring product reliability, and improving usability.
- Collaborated with team members to understand project requirements, enhance product quality, and develop essential IT skills in testing methodologies and product analysis.

EDUCATION

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

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
Automation Tools   Selenium WebDriver, Postman, Katalon Studio, Jmeter
Testing   API Testing, Mobile Testing, Web Testing, Automation Testing, Manual Testing, PyTest, Unittest
Skills   Team Collaboration, Process Optimization, Data Analytics, Analytical Problem Solving, AI Technology, Azure Databricks, ETL, Pipeline
Languages   English