Sijan Dev

Software QA Engineer

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🔗 sijan-dev.vercel.app in Sijan Dev ⦿ Sijan Dev

🪪 Profile

Driven QA Engineer with a computer engineering background, passionate about ensuring top-tier software quality through rigorous testing and sharp attention to detail. Committed to identifying potential issues early, contributing to seamless and reliable user experiences.

💼 Professional Experience

Spiralogics, Inc.   02/2024 – present
Software QA Engineer ⧉

Client-1: Verified X12 Format Medical Claims EDI Parser
- Tested the X12 format medical claims EDI parser to ensure accurate parsing and processing of claims.
- Verified the generation of 999 acknowledgment files, confirming correct acknowledgment of processed claims.

Client-2: Verified Caseworks Web Application
- Conducted thorough testing of a case management web application to ensure functionality and reliability.
- Developed and executed automation scripts to enhance testing efficiency and coverage for the application.
- Utilized REST-assured for API testing and automated API tests using Jenkins for continuous integration.

QA Research and Development
- Explored and implemented performance testing tools such as JMeter and k6.
- Currently exploring and evaluating fine-tuned large language models (LLMs) for Question Answering tasks.

🎓 Education

Bachelor's in Computer Engineering   2019 – 2024
Tribhuvan University ⧉
Relevant Courseworks: Object Oriented Programming, DSA, Software Engineering, DBMS, AI, Project Management

High School (Computer Science)   2017 – 2019
Everest Secondary School ⧉

🪪 Certifications

Postman API Testing ⬀   01/2024
Test Automation University

Cypress & Advanced Cypress ⬀   12/2023
Test Automation University

Introduction to Software Testing ⬀   07/2023
University of Minnesota

📂 Projects

DetectAI ⬀
A state-of-the-art platform that detects AI-generated text & deepfake images.
- **Technologies Used:** Python(Django), React, TensorFlow, OpenCV
- **My Contribution:** Trained a DenseNet-121 model for deepfake image detection and implemented an ensemble model combining Gradient Boosting, Random Forest, Logistic Regression, and Multilayer Perceptron for AI-generated text detection.

VisioAlgo ⬀
An algorithm visualizer.
- **Technologies Used:** Python, Pygame, Tkinter
- **My Contribution:** Created visualizations for Dijkstra's and A* algorithms, enhancing understanding of their processes and efficiency.

🧠 Skills

Programming
Java, Python

Tools
Selenium, Postman, REST-Assured, JMeter, K6, Git/Github, Jenkins, Azure DevOps

Testing
Manual & Automation Testing, API Testing, Performance Testing

Soft Skills
Problem Solving, Collaboration, Communication