

Neeraj V S

Software developer

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Objective:

A highly skilled and detail-oriented QA professional in Agile methodology with 3+ years of experience in VisionPlus testing, Python for data science, web application testing and automation development. Eager to leverage my expertise in Python for data science and other methodologies to drive into continuous improvement and deliver high-quality solutions.

Relevant Skills:

- Python for machine learning
- Numpy
- Pandas
- Matplotlib
- Seaborn
- Natural Language Processing
- Scikit-Learn
- Web Scraping (Beautiful Soup)
- Automation using Cypress and VBA
- Web Development (MERN Stack)

Work Experience:

Tata Consultancy Services, Chennai, TamilNadu

(July 2021 – Present)

Project: **Lloyds Banking Group, Software Developer/QA Engineer**

- With over three years of software quality assurance experience, I specialize in manual and automated testing, with hands-on expertise in executing and automating functional test cases for User Acceptance Testing (UAT) using VisionPlus.
- Developed a proof of concept (POC) for a machine learning model utilizing Python and scikit-learn to segment customers based on their spending patterns. The model, designed to enhance targeted marketing efforts, processed over **1 million data points** and achieved an impressive **accuracy rate of 99%** using the Random Forest Classifier.
- Spearheaded the development of an AI-powered chatbot leveraging Gemini Pro LLM and LangChain, integrated within a Flask web framework, **reducing query resolution time by 30%**, and delivering 24/7 self-service support for credit card management.
- Led the automation of a regression testing suite in VisionPlus using VBA, which eliminated the manual process. Successfully **automated 88%** of total test cases, resulting in a **75% reduction** in the actual testing window size.

Education:

B.Tech - Information Technology

St. Joseph's College of Engineering, Chennai, Tamil Nadu (Aug 2017 – May 2021)

Tools: Visual Studio Code, Jupyter Notebook, MongoDB, Postman, Excel, Git, GitHub, Cypress, JIRA

Achievements: Certified in Google Cloud Platform as Associate Cloud Engineer and Professional Cloud Architect

Programming Languages: Python, JavaScript, Node JS, React JS, VBA, SQLite3