

ABHIJIT PAUL

LEAD SDET

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+ ABOUT ME

With 11+ years in BFSI as a Python Test Automation Developer and a recent focus on machine learning, I bring a rich blend of data analysis, automation expertise, and innovative solutions to excel as a Python Practitioner.

+ EDUCATION

- BMIT [R.T.U], Jaipur
Jaipur
2012
B.TECH - IT
First Class Honors - 8.2 CGPA

+ COURSE

- MAR 2024
**FULL STACK DATA SCIENCE
MASTERS, INEURON**

+ LINKS

Portfolio

<https://abhijit-ai.netlify.app/>

+ WORK EXPERIENCE

- Trading Technologies SEP 2021 - PRESENT
Pune
SENIOR SDET (TEAM LEAD)

Project: TT Web (Derivative exchange trading platform)

- Led the automation strategy development and scope definition for TT Web, an innovative derivatives exchange trading platform.
- Oversaw task allocation and team leadership, ensuring timely achievement of project milestones.
- Implemented risk management tactics proactively to safeguard project integrity.
- Enhanced automation scripts for better readability, maintainability, and performance.
- Streamlined CI/CD pipelines to boost testing and deployment efficiency.
- Mentored a team of 3 SDETs, promoting career development and technical prowess.

Project: TT Trade Surveillance

- Collaborated with the Development team on the TT Trade Surveillance project to create and validate machine learning models for diverse applications, such as identify patterns indicative of market manipulation.
- Conducted rigorous testing and performance validation of ML models to ensure reliable detection of suspicious trading behavior and compliance violations.

- FIS FEB 2015 - AUG 2021
Pune
LEAD TEST AUTOMATION ENGINEER

Project: Apex Securities Finance (Agile Development)

- Spearheaded the transition from VBScript to Python, enhancing the automation infrastructure for Apex Securities Finance within an Agile framework.
- Developed and implemented Pytest and BDD frameworks to elevate test automation capabilities.
- Crafted comprehensive Pytest suites for efficient regression and sanity testing.

+ SKILLS

Python

UnitTest, Pytest

Machine Learning

AWS

MLOps

SQL

Sklearn, Pandas, Mumpy

Tensorflow, Pytorch, Pyspark

+ CERTIFICATIONS

- ISTQB ADVANCED LEVEL - TEST ANALYST
- CERTIFIED SCRUM MASTER
- NCFM FINANCIAL MARKETS

- Engineered Jenkins pipelines to facilitate robust CI/CD practices for test automation.
- Conducted ETL testing to ensure exact, consistent, and reliable data generation across tables.
- Led and mentored a team of 5 QA professionals, fostering a culture of high performance and exceptional quality.
- Acted as Scrum Master, orchestrating daily stand-ups, scrum-of-scrums, sprint reviews, and retrospectives to ensure seamless Agile operations.

- Bank of New York Mellon DEC 2012 - JAN 2015
Pune

QUALITY ANALYST

Project: Broker Dealer Services (Waterfall Development)

- Spearheaded the development of VB Script automation scripts, boosting efficiency in the Broker Dealer Services project.
- Oversaw Daily Sanity and Monthly Regression testing, maintaining system reliability and peak performance.
- Conducted thorough ETL testing to ensure the precision and integrity of essential pricing and rating data feeds.

+ INTERSHIP ML PROJECTS

● CREDIT CARD DEFAULTS PREDICTION

Tech Stack: Python, Statistics, Machine Learning, MLFlow, AWS

- The model aims to predict default payments based on various demographic and credit-related features.
- Designed XGBClassifier model with an Accuracy: 83%, ROC-AUC: 91%, Precision: 84%, F1: 81%

● CLIENT RATING PREDICTION

Tech Stack: Python, Statistics, Machine Learning, MLFlow, AWS ECS, DagsHub

- The model aims to predict ratings of restaurant based on various demographic and restaurant-customer-related features
- Designed RandomForestRegressor along with tuning its Hyperparameters having model with an R2 Score: 83%

● BLOGVERSE

Tech Stack: Python, MongoDB, HTML, CSS, Flask, Jinja2, AWS

- This is a Blog Creator Web Application project aimed at facilitating users to showcase their contents, thoughts, skills in the form of Blogs.
- This project utilizes Web Development using Python technology and data is stored in NoSQL cloud server pertaining CRUD operations deployed on AWS