Tadaka Surya Teja

Result-driven Sr Engineer / Tech Lead with 3.6 years of deep knowledge in Product life cycle from Inception, and Planning to Development, Maintenance and Support. Expert in Python, Data Analysis, ML Techniques, Scraping, Scripting, DevOps & Web Development.

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Skills

Programming Languages: Python, C, Java, HTML, CSS, JavaScript

Automation Testing Tool: Selenium, Appium, Scrapy and Beautiful Soup.

API tool: Request, Rest-API, Postman

Frameworks: Django, Flask, pytest, Bootstrap

Code Quality: SonarQube, Black, flake8, isort and pre-commit hooks.

Defect Tracing tool: Jira, Testrail

Cloud: AWS, GCP

Containerization: Docker.

Monitoring Tool: Data Dog

Deployments Tools: Python-anywhere, Heroku and Netlify

CI/CD: GitHub Actions, Jenkins

Database: SQL, PostgreSQL

Data Analysis and Visualization: Pandas, Matplotlib, Seaborn, NumPy and Plotly

Visualization Tools: Power Bi, Tableau and Plotly Dash.

VCS: Git, GitHub, bit-bucket

ML Toolbox: Sklearn, SciPy, NLTK, NLP, OpenCV

Statistics/ML: Linear/Logistic Regression, Clustering, K-means Clustering.

ELK Stack: Elastic Search, Kibana, Logstach, and Beats

Other: Shell Scripting, Linux, terraform, yml, Figma.

Professional Summary

Sr Engineer / Tech Lead   *Hyderabad*

- **AWS Certified Tech Lead** with 3.6 yrs of experience.
- Designed and developed more then **few scalable frameworks for Browser, Mobile, API and Hybrid test** automation projects.
- Achieved top **1%** ranking on **Kaggle's dataset**, a competition with over 78,300+ participants.
- 2yrs of experience in **leading and mentoring** team members, fostering a positive and collaborative team culture and **consistently meeting or exceeding project goals** while **maintaining team's health**.
- Expertise in implementing and maintaining **CI/CD pipelines** to automate build, testing and deployment processes.
- Experience in presenting the proposed solutions and their technical details to the **clients, and technical teams**, resulting in successful project delivery and customer satisfaction.
- Also have proven ability to analyze and interpret large datasets and design and implement effective **machine learning** models for a variety of industries, including finance, healthcare, and e-commerce.

Projects

Automation Testing:
- Naukri scraped data
- Automation of applying to Jobs on LinkedIn

Task Automation:
- Creating and Selling NFTs
- Nifty 50 stock price data

Web Applications:
- Covid Live Web App
- Pizza Delivery Web App

Online Portfolios:
- Website UI designed using Figma
- Portfolio Website designed using Third-party tool (Strikingly)
- Static Website using HTML, JS, CSS and Bootstrap

Machine Learning
- JPX stock market Predictive Analysis
- Image Classification

Certifications:

- AWS Cloud Certified Practitioner (Issued by AWS)
- Information Security-IV (Issued by NPTEL)
- Mobile Application Development (Issued by NPTEL)
- Machine Learning and Artificial Intelligence (Issued by AppliedAI)

Publications:

- Notebooks used by Machine Learning Engineers and Data Scientists
- Computer Vision with Open-CV Library using Python
- Installing WIFI Driver in Kali Linux and in other Linux Distribution
- Automated code for creating and selling NFT's and more

Work Experience

Sr. Engineer, Qentelli, Oct 2020-Present

Project: Smile Direct Club (SDC)

Responsibilities:

- Developed and implemented SDET friendly **automation** framework and authored test scripts resulting in **45% reduction of manual QA efforts**.
- Collaborated with team to identify and eliminate unnecessary manual QA and cloud infra expenses, resulting in a **cost reduction of $100K**
- Improved automation platform by fixing issues identified using DataDog, SonarQube and Datadog.
- Designed **Codebuilds, Cloud watch, and Code Pipelines** in AWS
- Automated processes and monitoring to **reduce errors and maintain** accuracy by **80**%
- **Converted manual configuration to IAAC using Terraform and YAML.**
- Integrated automation platforms with AWS services(SQS, SNS and S3) using python **boto3** library
- Written **Unit-tests** using **Unit-test Mock** and introduced **PR gateways using GitHub Actions**
- Performing image preprocessing such as Rotating, Flipping, and transforming using **Data Augmentation Techniques**
- Automated **ETL** process to ease data integration and reduced data processing time by **45%**

Software Engineer, SS&C Technologies **(Formerly DST),** May 2019-April 2020

Project: Amisys Advance

Responsibilities:

- Developed **web application** using Django and Flask frameworks.
- Parsed & extracted the job & employer details using **BeautifulSoup**.
- Worked on taking frequent backups into **S3 storage**
- Used **NLP** packages such as **NLTK** for **tokenizing words and sentences.**
- Responsible for **DevOps** tasks in the organization
- Also Used **Docker for Containerization** to test the performance in different test environments.
- Used **Jenkins for jobs and CI/CD pipelines.**
- Implemented **automation testing strategy** utilizing **Pytest and Selenium** for all web application releases, covering lower and production environments to ensure functionality and bug-free deployments.

EDUCATION

B.Tech Vardhaman College of Engineering (CSE)	*06/2016 – 05/2019*
Diploma Government Polytechnic (CSE)	*06/2013 – 05/2016*
SSC Kakatiya High School	*06/2012 – 05/2013*