Tadaka Surya Teja

Result-driven Sr Engineer / Tech Lead with 3.9years 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 3.9yrs of experience.
- Designed and developed more than **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 Certified Solution Architect-Associate (Issued by AWS)
- 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*