Name: Sreeyapureddy Sai Srikar Reddy

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System's Engineer | Machine Learning Developer

PROFESSIONAL SUMMARY

- System's Engineer with 2+ years of experience in analysis, development, testing and implementing frameworks like flask, django along with connecting front-end applications.
- Hands on experience in building Rich reusable algorithms using Python, OpenCV, Deep Learning and Machine learning algorithms.
- Expertise in design and development of frameworks like Flask, Django and API calls from GCP/Azure.
- Deep understanding of Python concepts including Lists, Tuples, Dictionary, Exception handling, Functions, List Comprehensions.
- Expertise in working on various packages like Pandas, Scikit learn, Numpy, PIL, OpenCV, Scipy, Matplotlib, Seaborn, NLTK, Keras, Tensorflow.
- Experienced in Robotic Process Automation using Selenium web driver along with python.
- Test driven programmer with through knowledge in Unit testing with using pytest and using manual testing whenever required.
- Experience in working with relational and non-relational databases like Mongo DB, MySQL.
- Expertise in manually developing log files which is incorporated in code which can be reusable in all python related usecases.
- Worked with Microsoft teams planner for tracking stories progress, follow agile methodology and sprint planning.
- Experience in development and deployment of applications in Client environments using WINSCP.

PROFESSIONAL EXPERIENCE

System's Engineer | Machine Learning Engineer | Technical Team Lead

Trivandrum, India   **Mar 2021 – Present**

Roles and Responsibilities:

- Followed Agile Scrum methodology that include iterative application development and stand-up meetings by involving in various phases of development cycle starting from requirements gathering to deploying in client environment.
- Responsible in developing reusable code by making a minimum of 40% code reusable.
- Responsible for leading 5 teams and 40 members in developing multiple projects in parallel.
- Implemented Deep Learning algorithms on Image and Text data.
- Responsible in training 100 associates on Machine Learning, Deep Learning and Python along with Hands-on.

- Responsible in developing Object detection algorithm which were manually annotated using LabelImg a Github repository to support template matching algorithm.
- Used Camelot package to extract table data from pdf and store them in excel.

Environment: Python, Selenium, Keras, Microsoft planner, JSON, Tensorflow, LabelImg, Camelot.

Assistant System's Engineer | Machine Learning Engineer

Trivandrum, India   **Jun 2020 – Mar 2021**

Roles and Responsibilities:

- Designed and developed ICR engine on Hand written numbers and Integrated it to main base code.
- Used LabelImg to annotate the Image data for ICR Engine.
- Created a single python reusable script with selenium components.
- Developed a rule based engine on extracted data from Image.
- Developed a code to send multiple images to Azure OCR and GCP OCR in a single API call to reduce the number of calls.
- Used OpenCV to perform operations on Image data to specifically slice the image into multiple pieces.
- Research on Orthodontics that aided in discovering the process of treating numerous orthodontic problems using Machine learning.

Environment: Python, Keras, Flask, Selenium, OpenCV, API, ICR, Tensorflow

Assistant System's Engineer Trainee | Technical Trainer

Kochi, India   **Jun 2019 – Jun 2020**

Roles and Responsibilities:

- Developed a Template based Image processing algorithm to extract review data.
- Using basics of OpenCV divided the image to various sections.
- Developed a checkbox detection algorithm to detected checked boxes in a tiff file.
- Developed an automation tool to fill data in a website using Selenium and Python.
- Worked on NLP along with medical data which is used to reduce the vaccine release time.
- Involved in Knowledge sharing sessions on python to 800 associates across the globe.
- Trained around 600 associates in TCS for the ILP program.
- Involved in designing Angular JS webpages for a usecase.

Environment: Python, Java, Angular JS, SQL, Selenium, OpenCV, NLP, Spicy, NLTK, String functionalities.

TECHNICAL PROFICIENCY:

Languages: C, Python, Selenium

UI Technologies: Angular JS, JSON,

API: XML, Azure API, Google Cloud Platform API

Development-Tools (IDEs): Eclipse, Visual Studio

Unit-Testing Frameworks: pytest

Platforms: Windows, LINUX, RHEL OS

SDLC Methodologies: Agile Methodology