

Amrutha S

Email: amrutha11495@gmail.com

Contact No: 9741736854

Professional Python developer with two years, four months of experience. I'm currently searching for more challenging and creative career possibilities where I can apply my machine learning and python programming skills to significantly benefit the company and continue to up skill.

Skills

PYTHON

Expertise in core python programming language. Extensively worked on libraries NumPy, Pandas, openpyxl, pyautogui, AutoCorrect, PDFMiner, Transformers, Ipython and Flask framework, Django. Apart from these have worked on other packages too viz selenium webdriver, PyPDF2etc., and tools such as Jupyter Notebook, VScode, Spyder also have knowledge on prompt engineering.

MACHINE LEARNING MODELS

Good knowledge in machine learning models.

- Regression
- Classification
- Clustering – Kmeans, Hierarchical
- Reinforcement Learning – UCB, Thompson Sampling.
- NLP – Translation
- OpenCV

Experience

SOFTWARE ENGINEER | INTELIZIGN | 01-06-2021 – PRESENT

1. **NLP Industry Translator** – The NLP Industry Translator is an AI-ML enabled Translator which is used to translate from English to Mexican Spanish and Canadian French. Using the technology and tools- Python, Transformers, Huggingface finetuned for custom specific words

Responsibilities:

- Training ML model (HuggingFace) model for custom data, Perform incremental Training.
 - Develop Python FlaskApp with the trained model.
 - Identify and log “Out of Vocabulary” words and perform incremental training to continuous improvement of the model.
 - Add SpellChecker feature to the existing NLP application. The GUI to handle multiplespelling correction values.
2. **Object Detection model using Tensorflow** – The object detection model is used to detect the object in an image using tensorflow object detection API.

Responsibilities:

- Training ML model (Resnet) model for custom data, Perform incremental Training.

- Preparing the Dataset from the images in the format required for training
- Identify the dimensions of the detected object and give recommendations of the image from the dataset

3. **Automation** – using Python

Outlook Automation- The outlook Automation stores the Email template in the draft folder when part number and description is given as input

PDF image snipping- Using PyPdf2, PDF image snipping tool splits the images from the pdf and stores in the folder as jpg format

Education

SL NO.	DEGREE	BOARD/ UNIVERSITY	SCORE (%)
1	B.E(Electronics and communication)	VTU	74
2	PUC(PCMB)	Department of pre-University education	87.33
3	SSLC	KSEEB	91.84