SRIKAR TADIPARTHI Featured

Over 3.5 yrs. of experience in building various Machine Learning products as a full-stack developer. Also knowledgeable in Docker, deployments, queuing systems like Apache Active MQ.

Current Designation: ML Developer
Current Company: Quest Global
Current Location: Hyderabad / Secunderabad
Pref. Location: Bengaluru / Bangalore,Chennai,Hyderabad
Functional Area: IT Software - Application Programming / Maintenance
Role: Software Developer
Industry: IT-Software/Software Services
Marital Status: Single/unmarried

Total Experience: 3 Year(s) 8 Month(s)
Notice Period: 3 Months
Highest Degree: PG Diploma [Data Science]

Key Skills: Python, TensorFlow, PyTorch, Flask, Keras, Gensim, SpaCy, Docker, NLP, Natural Language Processing, Machine Learning, Deep Learning,

Verified : **Phone Number |** **Email - id**

Last Active: 21-Jan-21 Last Modified: 21-Jan-21

Summary

Over 3.5 yrs. of experience in building various Machine Learning products as a full-stack developer.
Also knowledgeable in docker, deployments, queuing systems like Apache Active MQ.

Work Experience

Quest Global as ML Developer
Jun 2019 to Till Date

Works in Natural Language Processing using Deep Learning techniques. Develops backend systems in Python.

Wipro Technologies as Project Engineer
Nov 2015 to Mar 2018

As a lead developer as part of product development and maintenance I have built various back-end systems. Used Machine Learning to build modules like face recognition and verification.

Education

UG: **B.Tech/B.E. (Electrical and Electronics)** from **SRM University, Chennai** in **2015**

PG: **PG Diploma (Data Science)** from **IIIT-Bangalore** in **2019**

IT Skills

Skill Name	Version	Last Used	Experience
TensorFlow			2 Year(s)
Python 3			2 Year(s)
Keras			2 Year(s)
Pytorch			2 Year(s)
spaCy			1 Year(s)
GENSIM			1 Year(s)
TRANSFORMERS			1 Year(s)

Languages Known

Language	Proficiency	Read	Write	Speak
English	Proficient			
Hindi	Proficient			
Telugu	Proficient			

Projects

Project Title: Multi-Lingual Named Entity Recognition
Client: Apple
Nature of Employment: Full Time
Duration: Jun 2019 - Aug 2020
Project Location: Hyderabad
Onsite / Offsite: Offsite
Role: Module Leader
Team Size: 3
Skill Used: PyTorch, BERT, Transformers, Spacy, Python 3
Role Description: Responsible for building from scratch all the necessary components including work flows for data pre-processing, data annotation, model building and training, API creation.
Project Details: Fine-tuned a BERT architecture using HF Transformers library by freezing the embedding layer.
Used Adam optimizer with linear warmup and decay LR schedule.
Made use of Adversarial NLP techniques to make the model immune to spelling errors.
Used F1-score as metric that achieved a value of 0.9.
Wrote a custom SpaCy tokenizer to make use of all the CPU cores.
Wrote a custom annotator to label company specific data.
Used FastAPI to build a REST service and Uvicorn for production grade web server.
Made extensive use of OOPS concepts in Python 3.

Project Title: Named Entity Recognition using custom architecture
Client: Apple
Nature of Employment: Full Time
Duration: Jun 2019 - Aug 2020
Project Location: Hyderabad
Onsite / Offsite: Offsite
Role: Programmer
Team Size: 3
Skill Used: Tensorflow 1.0, Keras, Gensim, Python 3
Role Description: Responsible for building from scratch all the necessary components including work flows for data pre-processing, data annotation, model building and training, API creation.
Project Details: Used Gensim to generate task specific embeddings.
Wrote a custom pre-processing pipeline that makes use of Dask multiprocessing library.
Custom architecture using Convolutional and Bidirectional LSTM layers.
Achieved a total F1-score of 0.98.
Used Flask framework for building REST endpoints.
Dockerized the entire app for deployment.

Project Title: Face recognition using Siamese network architecture
Client: Wipro
Nature of Employment: Full Time
Duration: Mar 2018 - Mar 2019
Project Location: Hyderabad
Onsite / Offsite: Offsite
Role: Module Leader
Team Size: 3
Skill Used: TensorFlow 1.0, Keras, Python, Flask
Role Description: Responsible for building and maintaining the end to end pipeline for model creation and training, api creation and deployment.

Project Details: Used Siamese network architecture with Triplet Loss as cost function.
Used pre-trained model to generate image embeddings.
Achieved an accuracy score of 0.9.
Integrated into a .NET application by building Flask API using async concepts.

Project Title: Human Machine Interface (NgRecruit Bot)
Client: Wipro
Nature of Employment: Full Time
Duration: Jan 2016 - Mar 2018
Project Location: Hyderabad
Onsite / Offsite: Offsite
Role: Sr. Programmer
Team Size: 3
Skill Used: C#, WCF, SQL Server, .Net, ASP.Net MVC,
Role Description: As a full stack developer responsible for building and maintaining backend systems and the necessary middleware.
Project Details: NgRecruit Bot is a next generation fully automated Recruitment system where the bot interviews the candidate registered for the interview.
Developed queueing system using apache ActiveMq for event processing.
Built the backend systems using MS SQL and .NET framework.

Affirmative Action

Category: General

Physically Challenged: No

Work Authorization

US Work Status: Need H1 Visa

Job Type: Permanent

Employment Status: Full time