

VB Surya Teja

Software Engineer

Machine Learning Enthusiast

AI Researcher

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 : [vbsteja](https://github.com/vbsteja)  : https://vbsteja.github.io.com/vb_blog

About Me:

- I am a machine learning enthusiast with experience of building applications to solve problems in Natural Language Processing and Computer Vision.
- Design, build, deploy Machine Learning applications to solve real-world problems empirically .
- Experienced in varied forms of practical data, including Image, Text and other high-dimensional data.
- Fair understanding of theoretical ML/DL, NLP, math such as Linear Algebra, Calculus, Statistics, Probability, Neural Networks, CNN, RNN, GAN, Regular Expressions etc.

Education:

- MCA,VRSEC Eng. College ,Autonomous , Vijayawada, AP, Jun 2014. CGPA : 8.4.
- B.Sc. Computers , Mar 2011. Percentage : 65%.
- Intermediate MPC, Mar 2008, Percentage : 61%.
- ZPHS Govt High School,75 Tyallur, Guntur, AP. Percentage : 77%

Experience:

May 2018 – Present

Technology Analyst, INFOSYS, Hyderabad.

- Demonstrated a POC using Watson Explorer Analytical Components to perform Entity Extraction from Unstructured Documents such as PDF, Word, TXT, WEB etc.. files. CA Studio was used to build annotations and dictionary base to help identify the Entities by Watson analytical engine. Built a python web app to demonstrate the whole process of

uploading documents and fetching the Entities from Watson search analytical search engine.

- Worked on a data pipeline which fetch data of various events from different sources and perform cleaning and feeding the model to a model, where the ML model identify the categories of different events, the events then verified and tagged by an SME. The technologies used are Java, Spark, Python, Sklearn.

Sep 2014 – April 2018

Software Engineer, LTI, Chennai.

- Worked as a developer on the supply chain management application using MVC.Net 4 Framework, LINQ.
- Worked as a support engineer for a client(P&G) application using the technologies java, struts, oracle.
- Worked as developer in a chat bot application, mainly developed algorithms using Natural Language Processing and Machine Learning to classify IT support Tickets for the IT work process management.

Sep 2014 – Present

Other Experience.

- Participation in Kaggle competitions on Image classification, Linear Regression, Natural Language Processing.
- I have experience building really fast and accurate machine-learning models in Python.
- Experience in building Neural network architectures.
- Built a script for recommender system for movie lens database using collaborative filtering and word embeddings.
- Experience using pre-trained models with transfer learning to build a image classification system.
- I have a fair amount of knowledge on improving the accuracy of Machine Learning models using Batch Normalization, Pseudo Labelling, Data Augmentation, Regularization.
- Experience with deploying Machine learning models in cloud.
- Fair knowledge in Regular Expressions.

Technologies:

- **Programming Languages:** Python, C, C++, Lisp, julia, javascript, bash,
- **ML/DL Frameworks:** Tensorflow, Keras, Sklearn, Pytorch.
- **NLP Frameworks:** NLTK, Spacy, Gensim.
- **Computer Vision:** OpenCV,Pillow.
- **Other:** Oracle, MySQL, Flask, Seaborn, Matplotlib, Neo4J, MindMaster, Git, Regex,
- **OS:** Ubuntu, Windows(7/10).

Awards & Acknowledgments

- Secured first place in a state level quiz competition in the Under Graduation.

Certifications.

- Machine Learning by Andrew NG, coursera.