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SUMMARY

- I'm a ML Practitioner (also as ML Software Engineer and Data Scientist) have over 6 years of experience in AI/ML/DL/DS fields.
- I founded and manage DeepBrainz, A DPIIT Recognized AI Startup as Managing Director & AI Chief who's been solving various business & real-world problems across industries by Cutting-edge Technologies & State of the art AI in Computer Vision, NLP.

EXPERIENCE

- Founder, Data Scientist, ML Software Engineer (Nov 2019 – Present)
DeepBrainz Technologies Private Limited, A DPIIT Recognized AI Startup Company Bengaluru, India
- DeepBrainz Universal AI (DBZ uAI), DBZ uAI Consumer & DBZ uAI Enterprise (TensorFlow & PyTorch Ecosystems)
 - Designed the Prototype for the core modules of DBZ uAI using Objectives, ML methods & (massive) Datasets
 - uXAI for AI Explainability or Interpretability, uFairAI for Bias and Fairness in Data and Algorithms, uGenAI for Generalizability or Generalization of AI Learning, uLabeler, uAnnotator for Labeling and Annotation of Massive Training Datasets, uGenerator, uDataCollector for Creation & Acquisition of such Massive Datasets;
 - Designed and implemented the Prototype for the high level modules of DBZ uAI using Objectives, ML methods & Datasets
 - uAI Predictor, uAI Forecaster, uAI Learner for ML& Deep Learning, uAI Perceptor for Machine Perception, uAI Lingo for NLP & Understanding, uAI Recommender for Recommendation Systems, uAI Converser Bot for Conversational AI
- Independent Machine Learning Practitioner & Consultant (Jan 2015 – Oct 2019)
- Predicted demand for an online advertisement as RMSE 0.216 CV by designing, implementing LGB, Ridge models, MLPs, RNNs, on Avito's Ad datasets with pre-trained word vectors, DenseNet, vgg19 for feature extraction. (sklearn XGB TF Keras)
 - Classified and forecasted the future web traffic for approximately 145,000 Wikipedia pages using RNN seq2seq, LSTM/GRU with attention by Time Series Analysis and Inference that evaluated on SMAPE as 35.48065 test score. (TF Keras)
 - Recommended events to the users on Event Recommendation Engine datasets from Kaggle as 0.712 CV over mean Average Precision mAP @200 by building, training Logistic Regression, RF, k-Means models for feature transformation. (sklearn)

PROJECTS

- Large Scale Deep Learning for Computer Vision & NLP as DeepBrainz Universal AI (TF2.O & PyTorch) (Jan 2019 – Nov 2019)
- DBZ uAI currently solves following few use cases using appropriate Objectives, ML methods & (massive) Datasets;
 - Automatic Disease Diagnosis, Autonomous Systems' Perception, Image Generation & Deepfake Detection; Toxicity Classification & Bias Detection, Gender Bias Resolution, Q&A system, Audio Recognition for Conversational AI;

EDUCATION

Independent Coursework - MOOCs (July 2013 - Present)

Coursera, Udacity, edX & Others			Stanford University & MIT		Others
Stanford University: • Algorithms deeplearning.ai: • Deep Learning • TF in Practice • TF Data & Deployment • UToronto Self-Driving Cars	• Machine Learning Engineer Nanodegree (ND) • Data Scientist ND • Data Engineer ND • Self-Driving Cars Fundamentals • Azure ML • Watson ML	CS50x HarvardX: • Computer Science • Web Programming Google Cloud Specialization Tracks • Data Analytics • Data Scientist • Data Engineer • AWS ML	• Machine Learning • Mining Massive Datasets • CNNs for Visual Recognition • NLP with Deep Learning • Information Retrieval	• (MIT) Design & Analysis of Algorithms • Deep Learning • Self-Driving Cars (MIT) • Deep Generative Models (SU)	• Google AI - Education Courses • NVIDIA DLI Certifications • Kaggle Courses: Data science DeepMind & UCL: • Advanced RL & Deep Learning

B.Tech. Information Technology, Anna University (Aug 2009 - July 2013)

SKILLS

- Programming: Expert in Python, Java, C++, SQL; Have Experience with C, C#, BASH/Shell script, R, MATLAB, JavaScript
- Libraries & Frameworks: Expert in TensorFlow & Ecosystem Keras PyTorch scikit-learn XGBoost LightGBM pandas NumPy SciPy IPython Matplotlib; Experienced in CUDA RapidsAI MXNet MapReduce Spark Hadoop Ecosystem (HBase Hive Pig Flume Sqoop Hume) OpenCV NLTK spaCy genism Caffe2 fastai Plotly ONNX; Familiar with Beam Kafka Storm Knime Neo4j
- Tools: Colab Anaconda PyCharm VS Code Excel Linux Git MySQL Tableau MongoDB Cassandra RStudio GCP AWS Azure

AWARDS & HONORS

- Top 0.03% ranked 38th/113k & 49th Kernels Master and Top 0.2% ranked 226th/133k Competitions Expert on Kaggle.
- Won Medals on Kaggle: Top 9% & 298th/3497 in Booz Allen's 2019 Data Science Bowl, 62nd/468 in Google AI Inclusive Images Challenge, 74th/201 in Google AI Open Images 2019 - Visual Relationship, 90th/521 in iMet Collection 2019 FGVC6.