Jay Timbadia
Machine Learning Engineer

Want to get involved in things that could benefit Humanity and help in changing world's perception towards technology. Like to learn things from diversified domains since it helps triggering notions for Innovation.

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WORK EXPERIENCE

Data Scientist
Larsen & Toubro NxT

01/2021 - 01/2021

Achievements/Tasks
- Working on a research to make machine understand diverse domain embeddings and optimize their processing.

Machine Learning Consultant
Fractal AI

11/2020 - 01/2021   *Bangalore-India*

Achievements/Tasks
- Working on Azure pipelines, and analysis of PET reports.

Machine Learning Engineer
Infosys Ltd.

10/2017 - 11/2020   *Bangalore, India*

Achievements/Tasks
- Have deployed a solution on NLP intent classification model to classify legal & stock sentences, using an ensemble of two parallel neural networks each with a different goal with a data overlapping processor matured with delta train & De-classification.
- Exploited Mongo's partial indexes and tagging to make image search much faster without functional coding.
- Reduced number of epochs for deep learning training by exploiting positive definiteness of weight matrix and using 2D-tensor NN.
- Vending Machine auto-refill messaging service using Mobilenetv2 for bounding-box, resnetv2 for brand and OCR as a planogram-reader, coupled with flask, SQL & its connection to monitoring cameras.
- Working on Neural Bridge and Neural CarryOvers - Advanced Machine Learning catering Individuality using alpha-omega model.
- Reducing deep learning model parameters using quantum computing & building solution for quantum proof SSL/hashes.

PROJECTS

Neurals - Mimicking Brain
Cognitive linking via meta-learning & linguistic Highway network

Work
- Creating tiny context maps and connecting them via a highway of thoughts robust with meta-learning to avoid catastrophic forgetting.
- Alpha-Omega model with SOTA outlier detector using hubness reduction covering data augmentor.

SKILLS

Pytorch/Keras · Python · Flask · javascript · REST/protobuf/graphQL/sockets · Django · SQL · MEAN · ELK stack · Docker-Jenkins-Kubernetes · Hyperledger Fabric · MongoDB · Kafka · Reinforcement L · Pennylane - Quantum Computing

ACHIEVEMENTS

Robotics mechanics & control course- Seoul national university
Gone through the basic mechanics to all the way up to robot building and getting mathematics behind that formation.

SLAM course(Learning for robots) - cyrill stachniss
SLAM course went through robot learning by using various filters such as Kalman filter, information filter, Unscented Kalman, etc...

Online Stanford university machine learning course
Diving deep into Deep learning maths and working on nuances.

Qunatum Computing & ML course - CMU
By Ryan O'Donnell

Achievement Name

PERSONAL PROJECTS

Creative AI - Linguistic Concoction
- Creating Neural Bridges among people in wide context using Markov process with MEAN STACK (protobufs for efficiency)
- Working on creating semantic creativity instead of lexical with advanced text generation using context mixing and trying to work on blockchain for its ledger acceptance.

LANGUAGES

English ●●●●○

Spanish ●●○○○

INTERESTS

Playing Piano · Reading · Elemental Space · Table Tennis · Aviation · Business & Investing · Travelling · Machine Learning Algo Dev