

Roshan Ray

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EXPERIENCE

Vision Residency

Dec'19 - present

Creator/Co-founder

- Co-Founder and Creator of proprietary web app startup.

CHG IT Consultancy

April'18 - Sep'19

Deep Learning Engineer

Chennai, TN

- Worked on real world Traffic congestion image data for the entire japan to perform Forecast of 20mins.
- Proposed and developed from mobile service data of various Mesh Code(jp) to recommend the best location to open a new Konbini store.

Buddihealth Technology, Healthcare

(Sep - Dec)'17

Applied Machine Learning Intern

Chennai, TN

- Worked on Graphical model using Node2vec for Autocoding.
- Trained word2vec model, experimented with different approaches of hyperparameter tuning for best performance.

PROJECTS

- **Federated learning** : Implemented various deep learning techniques for classification problems .
- **Break out** : Trained an agent using DQN algorithm to learn to hit a ball with paddle,avoiding death while scoring points when the ball smashes the pieces of wall.
- **Pole Balancing** : Trained an agent to balance the pole by wiggling/moving the cart from side to side to keep the pole balanced upright.
- **thetravelsopher** : Highly scalable travel guide enabled semantic web,dataset was created using open source ontology editor called protege

EDUCATION

SRM University

2013-2017

B-Tech,Software Engineering

Area of Interest : Programming,software development,AI

OTHER

Skills

Python,Git,linux,PyTorch,Tensorflow,Chainer,Streemlit.

Production

Docker,Kubeflow,FastAPI,Uvicorn,AWS

Open Source

Contributed to OpenMined ([OpenMined Org](#))

Research Interest

Safe AI,Reinforcement Learning,Meta-Learning.