

Priyam Nagar

Machine Learning Engineer

Bangalore, India

Seeking an opportunity to utilize my experience and education to work on challenging machine learning applications and focus on advancing in research.

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Work Experience (4 years)

Software Engineer – Samsung Electromechanics

2019- present

SEMPRO-AI : It is a platform to for security operations like:

- 1) **Trespassing detection**: It detects person, animal and drone trying to get inside the factory using object detection. It also detects human shadows.
- 2) **Crowd detection**: It detects if more than the specified number of people are standing in an area.
- 3) **Machine open door**: It detects if some server door is left open in the room.
- 4) **Kiosk**: It detects whether a worker is wearing the security kit properly or not, while entering the factory.

POCs:

- 1) **Moving object detection** : It detects moving objects in a live environment with moving camera. It uses context based HOOFS implemented in tensorflow.
- 2) **Data theft prevention**: It detects a mobile phone camera and creates a screen blackout if someone tries to take a picture of their computer screen.

Machine Learning Engineer – Wipro Ltd.

2016- 2019

EDR Solution Development using Machine Learning : Single handedly developed an AI based EDR solution under the guidance of the Head of Security (Wipro). The solution would detect anomaly in the entire network.

Auto Test Script Generator Bot : It uses Natural language processing to convert the Natural language into commands and then converts it into Selenium script for testing web based applications.

Awards & Achievements

Received two awards in Wipro for taking special initiatives and for significant contribution to the team.

Machine Learning Toolbox

Language: Python

Libraries: Tensorflow, Keras, PyTorch, Scikit learn, Numpy, Pandas, Matplotlib

Algorithms : ANN, CNN, RNN, GAN, AutoEncoder, Random Forests, Decision Tree, SVM, KNN, Naïve Baye's, Logistic Regression, Clustering, Linear Regression

Programming Languages

Most Frequently used: Python

Familiarity: SQL, C, C++.

Academic Qualifications

M.Tech.

2020-present

Software Systems (Data Analysis)
BITS Pilani

B.Tech.

2012-16

Information Technology

Trainings & Certifications

Deep Learning: Deep learning Nanodegree, Computer Vision Nanodegree, Natural language processing Nanodegree, Self driving car Nanodegree, Deep Reinforcement learning Nanodegree, Deeplearning.ai (Andrew NG), Deep learning A-Z, Complete guide to Tensorflow..

Machine Learning: Machine Learning(Andrew NG), Machine learning A-Z, The Numpy Stack etc.