

EDUCATION

B.E in Computer Engineering

A.P. Shah Institute of Technology

D.T.E, University of Mumbai

AUG 2018

Diploma in Mechanical Engineering

Maharashtra State Board of Technical Education, Thane

Jun 2015

Secondary School Certificate

Thakur Vidya Mandir High School

Maharashtra State Board, Mumbai

Jun 2012

SKILLS

Languages

Python, R, Java, JavaScript, C#, Ruby, HTML/CSS, C, Clojure, C++, PHP & MySQL.

Framework/Environments

PyTorch, TensorFlow, Nvidia CUDA, Keras, NodeJS, Matlab, Android, AngularJS, Deeplearning4j, Rails, React/Redux.

AWARDS

Smart India Hackathon 2017

Awarded By

- Ministry of Road Transport and Highways, Government of India.
- Persistent Systems Ltd.

Apr 2017

- *Website*

pratikdk.github.io

- *Github*

github.com/pratikdk

- *Linkedln*

linkedin.com/in/pratikdeoolwadikar

EXPERIENCE

Data Scientist - NanoPrecise Sci Corp

- Developed prediction systems applying research to filter, process and analyse data streaming from multiple/hybrid sensors.
- Predictions for (RUL) Remaining Useful Life of industrial assets like rotating machinery and structures.

CERTIFICATION

Machine Learning Engineer Nanodegree

Amazon Web Services, Kaggle Certified - Udacity

- Mastered core fundamentals of Supervised Learning, Un-Supervised Learning, Deep Learning and Reinforcement Learning.
- Developed models based on Nvidia CUDA, Tensorflow, Keras, Caffe, Pytorch as project frameworks.

Android Developer Nanodegree

Google Certified - Udacity

- Extensively covers Advanced Android Architecture components, principles. Developed Apps using core API features, Hardware components, sensors and third-party Frameworks.

PROJECTS

Earthquake Detection, Sensory Smartphone Network

- Tensorflow to process simulated time series data using LSTM.
- Background Android app to monitor fluctuation patterns and provide true positive predictions.
- Node JS server to receive and relay other devices within proximity to perform predictions upon trigger using Firebase.

Human Activity Recognition, Deep LSTMs on Android

- Realtime activity prediction on spatial data of Accelerometer.
- Trained model exported and used in Android app.
- Perfect classification accuracy of 97% amongst six activities.

Credit Card Fraud Detection, Keras Autoencoders

- Deep Autoencoder on PCA Transformed data using Keras.
- Semi-supervised reconstruction of Non-Fraudulent transactions from unlabeled data for anomaly detection.

Predictive Keyboard, Recurrent Neural Networks

- Created a RNN model for predicting multiple word completions based on a few of previous character inputs.
- Used LSTM to learn structure of long term dependencies from input corpus using Keras.

Recommender System based on Customer Segments

- Un-supervised techniques on customers of distributors to identify customer segments concluding potential clients.
- Gaussian Mixture Model to identify soft complex clustering.