Pratik Deoolwadikar

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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
Mahrashtra 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

- LinkedIn
linkedin.com/in/pratikdeoolwadikar

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
• Designed by Google Developers team, extensively covers Advanced Android Architecture components, tools, principles and patterns that underlie all Android development.
• 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.
• Classification accuracy of 92% 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.

Automatic Proximity Toll Payment Android App
• Android App for Dynamic Toll payments based on GPS proximity using e-wallet.
• Used Google Maps API with route refining algorithms to elimate anomalies concerned with routes and tolls of interest.

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.