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

EXPERIENCE

Data Scientist - NanoPrecise Sci Corp
• Developed prediction models applying research to filter, process and analyse data streaming from multiple/hybrid sensors.
• Predictions for Faults, Remaining Useful Life, for industrial assets like rotating machinery, structures and hardware.

CERTIFICATION

Machine Learning Engineer Nanodegree
Amazon Web Services, Kaggle Certified - Udacity
• Mastered Image processing/Computer Vision, Supervised, Unsupervised, Deep Learning, Reinforcement Learning and Behavorial Cloning.
• Developed complex models using Tensorflow, Keras, Caffe, Pytorch as project frameworks.

Android Developer Nanodegree
Google Certified - Udacity
• Extensively covered 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.