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   CGPA - 6.4, Major - 7.7

Diploma in Mechanical Engineering
Maharashtra State Board of Technical Education, Thane
Jun 2015   Marks - 73%

Secondary School Certificate
Thakur Vidya Mandir High School
Mahrashtra State Board, Mumbai
Jun 2012   Marks - 84%

SKILLS

Languages
JAVA, Python, JavaScript, C#, Ruby, HTML/CSS, C, Clojure, C++, PHP & MySQL.

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

AWARDS

Smart India Hackathon 2017
Awarded By

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

      Apr 2017

- Website
pratikd.github.io

- Github
github.com/fragmetal

- 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.

      Feb 2018

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.

      Apr 2018

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 unlabelled 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 a distributor to identify customer segments concluding potential clients.
• Gaussian Mixture Model to identify soft complex clusters.