

Rameez Khan

MACHINE LEARNING ENTHUSIAST - BLOGGER

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Computer Skills

PROGRAMMING / LANGUAGES

• Python • C++ • Matlab • JavaScript • VBA • MySQL • HTML & CSS

FRAMEWORKS / LIBRARIES

• Tensorflow • OpenCV • Keras • Pandas • Numpy • Matplotlib • Scikit-Learn

DATABASES MANAGEMENT, TOOLS AND SYSTEMS

• AWS • MS Access • Jupyter Notebook • NoSQL • Github • Linux/Unix • Terminal

Projects

Please find more project on my github profile at www.github.com/rxmeez

Advance Lane Line

SKILLS: PYTHON, OPENCV, NUMPY, MATPLOTLIB

August 2017 - August 2017

- Visual display lane boundaries and numerical estimation of lane curvature and vehicle position
- Camera calibration matrix, distortion coefficients to apply distortion correction to raw images
- Create a pipeline of color transforms, gradients, and more to create thresholded binary image.

Behavioral Cloning

SKILLS: PYTHON, KERAS, OPENCV, NUMPY, MATPLOTLIB, AWS

August 2017 - August 2017

- Applied convolutional neural networks to clone driving behavior in Udacity's simulator
- Design, train and validate a model that predicts steering angle from image and augmented data.
- Used modified NVIDIA's model to drive the vehicle autonomously around the simulator's track.

Traffic Sign Classifier

SKILLS: PYTHON, TENSORFLOW, OPENCV, NUMPY, PANDAS, MATPLOTLIB, AWS

July 2017 -

July 2017

- Train and a model on AWS to classify traffic sign images using German Traffic Sign Dataset
- Explore, summarize and visualize the data set, look at improvements by augmentation
- Design a modified LeNet architecture on Tensorflow, achieved 94% accuracy on test data.

Neighbourhood Map

SKILLS: JAVASCRIPT, KNOCKOUTJS, HTML, CSS, APIs

February 2017 - March 2017

- Displays coffee shops in Leeds using Google's API.
- Dynamic search for places using KnockoutJS with the help of FourSquare API for reviews
- Simple and responsive design to work from mobile to desktop.

Experience

Schneider Electric

Leeds, UK

INDUSTRIAL ENGINEER

June 2015 - June 2017

- Built a bespoke system and central database for Leeds Site, to improve productivity, monitor real-time KPI's to provide key insights to stakeholder to build actions around it.
- Performed continual analysis and improvement of assembly and manufacturing techniques through KAIZEN, benchmarking, eliminating waste, eliminating any potential quality issue.
- Successfully completed PRINCE2 Foundation and Yellow Belt Lean Six Sigma.

Education

Udacity (www.Udacity.com) / Coursera (www.Coursera.org)

Online

SELF - DRIVING CAR NANODEGREE PROGRAM BY UDACITY

July 2017 - Present

MACHINE LEARNING (ANDREW NG) BY COURSERA

March 2017 - July 2017

FRONT-END WEB DEVELOPER NANODEGREE PROGRAM BY UDACITY

December 2016 - March 2017

University of Leeds (UoL)

Leeds, UK

B.ENG IN CHEMICAL AND NUCLEAR ENGINEERING

September 2012 - June 2015

- Achieved 2.1

References available on request