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Shah Ayub Quadri
Lead Data Scientist

About me I 'am a Lead Data Scientist inclined more towards Image Analytics having close to 7 years of experience, Currently working at Eaton.

Passionate to solve Image analytics problems, I do possess good exposure on Image Processing algorithms such as VGG, Inception models, Darknet, U-Net, MRCNN & the Hyper Parameter Optimization techniques.
I am more fascinated by the field of Computer Vision and Human computer Interaction.

Summary

- Currently working for Eaton as Lead Data Scientist with 7 years of Exp
- Certificated Programmer in Big Data Analytics & Optimization program from INSOFE. Program is certified for the quality, pedagogy and assessment by LTI of Carnegie Mellon University.
- More than 4 years of Experience on Statistics, Hypothesis testing, Machine Learning Algorithms, Predictive Analytics, Sentiment Analysis, Text mining, Information Retrieval, Natural Language Processing, Neural Networks, Deep Learning, Image Analytics.
- Also hands-on exp with OOP concepts, C#, ASP.NET, SQL Server, AngularJS, Firebase, Software development life cycle (SDLC),
- Highest Qualification M.Tech in Software Engineering 2012-14 from SJCE Mysore.
- Qualified 2012 GATE Examination.
- Dynamic, well organized, fast learner, data driven, result oriented and excellent team player.

Skills

Data Science

- Hypothesis Testing
- Classification
- Deep Learning
- Machine Learning
- Time Series
- Object Detection
- Regression Analysis
- Text Mining, NLP
- Segmentation

Computer software

- Python
- C#
- UI/UX
- R
- WebAPI
- HTML
- TensorFlow
- Python flask
- Latex
- Keras
- Linux
- Git, SVN

Professional Skills

- Familiar Agile/Scrum Methodology.
- Played Role of Scrum Master.
- Involved in Release and build planning.
- Branching strategy using Git.
- Very Good Communication Skills.
- Follow Ethics and knows Responsibilities.

Experience

May 2021 - Present, Eaton
Role: Lead Data Scientist
Responsibilities: Develop & Deploy the Deep learning model for CCTV Surveillance using vaious object detection algorithms.

Dec 2018 - April 2021, Claim Genius
Role: Data Scientist
Responsibilities:Develop the Deep learning model for Image Classification & Instance Segmentation problems. Build the VGG-16, Inception & Darkent Models for Image Classifiction. For Instance Segmentation worked with MRCNN and U-Net on AWS GPUs. Keras and tensorflow are the Deep Learning frameworks used.

Oct 2017 - Dec 2018, Cyient
Role: Data Scientist
Responsibilities: Develop & Deliver the model for Time to Failure Analysis, Image Segmentation using U-Net Arch, Keras & Tensorflow are the Deep Learning frameworks used

April 2015 - Oct 2017, CDK Global
Role: CDK as Member Technical (R&D)
Responsibilities: Deliver requirements within 2 weeks of sprint, Release planning, Follow Agile scrum process, Architectural design discussions, Epic brake down to stories, stories to subtasks & Test the deliverables.

Oct 2014 - April 2015, ADP(Automatic Data Processing)
Started Career with ADP as web app developer, moved to CDK as part of spinoff process.
Role: Worked as Member Technical (R&D)
Responsibilities: Follow Agile scrum process, Deliver sprint stories, Understand the product architecture, UI changes & writing Web API services.

Education

2017, Completed Diploma Course on Data Science
Completed Certificate Program in Big Data Analytics & Optimization program at INSOFE

2012 - 2014, Master of Technology (Software Engineering)
Completed M.Tech in software engineering from Sri Jayachamarajendra College of Engineering, Mysore.

2007 - 2011, Bachelor of Engineering (Computer Science)
Completed B.E from Ghousia College of Engineering Ramanagaram.

Industrial Projects

Image Segmentation Problem
The problem statement was to detect a region of car that is damaged for which we used the state-of-art algorithm
- My Role: Data Scientist my task was to analyze the Ground truth and build the model to detect the damage polygons.
- Concepts learnt: MRCNN, YOLOV3, Fast-RCNN, FPN, ResNet50, ResNet101.

Image Classification Problem
A simple classifier model that classify the images into different damage severity of the vehicle.
- My Role: Data Scientist my task was to analyze the different classes of images and build a classifier.
- Concepts learnt: CNN, VGG-16, InceptionV3, ResNet50, EfficientNetB0.

Road Identification on Satellite Images
The AI engine identifying the Road segments from the Satellite images. These leverage the task of manual annotators in the GIS space in road attribution marking.
- Concepts learnt: U-Net architecture, Python, Tensorflow, Keras.

Predictive Maintenance of Elevators
This AI engine was designed to predict the time to failure for elevators based on the data captured.
- Concepts learnt: ARIMA, ARIMAX, Deep learning model, LSTM, Tensorflow, Keras.

One-Eighty

One-Eighty is on of the leading software product in the Canadian Automotive industry.
- My Role in this project is as a web application developer, I contribute to this app by writing services and various UI changes.
- Tools I learnt: Classic ASP. SQL server, HTML Bootstrap, JQuery, JavaScript.

Lot Management

This product is used to provide solution to Automotive dealership to manage their car lots it provides pricing and market value estimates.
- Application was targeted for North American Automotive Dealerships
- My Role in this project was as a web application developer, I contributed to this app by writing various services in C#, creating a an appraisal page in AngularJS. Release planning.
- Tools I learnt: C# MVC, WebForms, Web API, AngularJS, Git.

The above statements are true to the best of my knowledge and belief.

Date: 18th-Sept-2021
Place: Hyderabad

Shah Ayub Quadri