Dhilip Kumar Veerapandi

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www.linkedin.com/in/dhilipbinny

Professional Expertise

Self-directed and motivated Problem solver with Fluency in Python for Machine Learning and Data science. Hands-on experience in building end-to-end projects from setting up data pipelines to data analysis & visualization. Currently developing an AutoMl Web App for building ML Models. Comfortable in working with AWS or Azure cloud technologies.

Education

2019-01 - 2019-02

Graduate Diploma: Systems Analysis

Institute of Systems Science, National University of Singapore - Singapore

- Completed with 4.13 GPA

2012-01 - 2016-01

Bachelor of Engineering: Mechanical Engineering

University College of Engineering, BIT Campus - TRICHY

- Graduated with 8.13 GPA
- Received Gold medal for academic excellence of holding 1st rank in Department of Mechanical and Automobile studies
- Dean's Honours List Semester-8 Year-2016

Work History

2019-09 - 2020-01

Intern

A*STAR - SIMTECH, Singapore, Singapore

1. Designed and Developed **Name Card Scanner for Auto Populating Web-form from Images** using *Python, OpenCv, pytesseract(OCR), spaCy(NLP) and mongoDB*.

- Deployed a 3-Tier web application in Aws Ec2 Instance, with Angular Frontend and Flask API Server backed by mongoDB.
- Applied regex to extract website, email, contact numbers. Used Named Entity Recognition module from Spacy NLP to extract Names from raw text

URL: http://bit.ly/2rTOlum

2. Data Analysis on Robotic Automation for Customized Order Fulfilment System

Contact

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03-149, 352 Clementi Avenue 2 - 120352 Singapore,

Phone
90890177

GitHub
https://github.com/DhilipBinny

Website
http://www.dhilip.ml

Skills

Database - MY SQL, SQLite, MS SQL, PostgreSQL, Mongo DB, Firebase

Cloud - AWS EC2, RDS, Azure Webapp Svc, Heroku

Web Scraping - Selenium, Beautiful Soup

Data Analysis - NumPy, Pandas, Sklearn, Keras, Tensorflow

Data Visualisation - Matplotlib, Seaborn

ML Models – Linear/logistic Regression, SVM, Decision Tress, Random Forest, KMeans Clustering, SGD Regressor/Classifier, ANN, CNN.

Containers - Docker

- Query data from database and conduct exploratory data analysis to find out root cause of failure of robotic Arm.
- Built an interactive dashboard using plotly to show the analysis results.

2016-07 - 2017-07

Field Officer

INTERNATIONAL TRACTORS LIMITED - SONALIKA, TamilNadu, India.

- Increased customer retention and satisfaction by closely monitored team member performance and assessing problematic practices.

Project Experience

- Real-time data analysis project on CDN response time
  - Setup a Kinesis data steam on AWS backed by S3 bucket.
  - Used Athena to query data from S3 and perform on demand data analysis
  - Generated reports on CDN performances across regions and different time intervals

- Park Vehicle Movements volume prediction and forecasting
  - Transformed the flat file into graph dataset using Networkx and conducted EDA to understand the traffic pattern across the park.
  - Build a forecasting model using prophet library to predict the vehicle volume across gates.

- Building an CNN Model using Keras.
  - Given an image drawn on the screen, the model will predict the correct output class
  - Trained a simple CNN Model on Google Draw dataset with 100 categories, with an accuracy of 95%

Certifications

2019-07 Python Programmer DATACAMP
URL: http://bit.ly/2QuSCOT

2019-07 Data Analyst with Python DATACAMP
URL: http://bit.ly/2qofB3x

2019-08 Data Scientist with Python DATACAMP
URL: http://bit.ly/35hieDn

2018-08 Python for Everybody COURSERA
URL: http://bit.ly/2rTAjsF