NIDHIN PATTANIYIL

ASPIRING DATA SCIENTIST

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Skills

LANGUAGES

C#
Java
Python
SQL
Javascript
Typescript

FRAMEWORK

Pandas
NumPy
Cucumber
Angularjs
Scikit-learn
Opencv

SCALABLE DATA TECHNOLGIES

Apache Spark
AWS (S3,EC2,EMR)
MapReduce
Apache Solr
Mongodb
Redis

Employment

Metis New Economy Skills Training
New York, NY

Data Scientist — Jun 2015 to Current

12 week program that focuses on enhancing skills used in the data science industry.

Project I : Examined NY public data sets to determine which places would be the best for street volunteers to deliver flyers to promote their cause.
Project II: Used linear regression to predict a movie's opening revenue based on the movies metadata and their Wikipedia page activity.
Project III: Classified images from the CIFAR-10 challenge using neural nets, k-means
Project IV: Summarized tech forum superuser.com forum using NLP and topic modelling

Comcast
Philadelphia, PA

Software Developer — Jul 2014 to Jun 2015

- Contributed to building a framework that would allow QA to write BDD scripts that would automate manual tasks using cucumber and Java
- Built flask based AngularJs dashboard that displays reports of nightly run jobs
- Built a tcp proxy using Netty to mock apis and inspect/modify payload

RIT Document Pattern Recognition Lab
Rochester, NY

Student Researcher — Jan 2014 to May 2014

- Built a search engine for math research papers from the Wikipedia and arXiv collection; system used Tf-IDF for text scoring and custom Symbol Layout tree for math scoring
- Entered our designed system in the NTCIR-11 competition; placed in the top 5

J.P. Morgan
New York, NY

Technical Analyst — Jun 2012 to Oct 2012

- Maintained and enhanced deployment infrastructure (Msbuild and CCNet)
- Contributed in the implementation of a brand new deployment mechanism for SPT Risk (scripting)
- Migrated Perl Scripts written for Sybase Server to work with Sybase and Microsoft SQl Server

M & T Bank
Bufallo, NY

Quality Assurance Analyst — Dec 2009 to May 2010

- Implemented a framework using Microsoft SQL Server and HP Quality Center to capture Quality Assurance Metrics
- Implemented a dashboard using Microsoft Reporting Services to display QA metrics

Publications

Combining TF-IDF Text Retrieval with an Inverted Index over Symbol Pairs in Math Expressions

Co-Author: Richard Zanibbi.
Proc. 11th NII Testbeds and Community for Information access Research (NTCIR), Tokyo, Japan

Education

Rochester Institute of Technology
BS/MS Computer Science 2014

Software as a Service (edx)

Introduction to Big Data with Apache Spark (edx)