NIDHIN PATTANIYIL
DATA ENGINEER

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in nidhinpattaniyil

Skills

MACHINE LEARNING
Pandas
Scikit-learn
Apache Spark

DEVOPS
Docker
Kubernetes

WEB FRAMEWORKS
Flask
Angularjs
React

DATABASE
Cassandra
Elasticsearch
Google Big Query

Employment

GONG
Data Engineer
New York, New York
Jan 2016 to Current

Build companys analytics infrastructure (Mixpanel, Google analytics, PubSub)
Build companys reporting infrastructure (DataStudio, BigQuery, Airflow)
Build companys AB Testing frameworks for web (Goole Optimize) and email

Build Notification Systems for identifying Trending stories
Build Models to cluster News Articles , recommend stories to users, dedupe detection

Migrated infrastructure from AWS to Google Cloud (saving 30% monthly expenses)
Standardized deployment of services using Google Container Engine (Kubernetes) and Docker

Build the first version of companys site in Angular 1
Migrated company's site from Angular 1 to React improving SEO and loading time
Contributed to the development of mobile app (React Native)

Metis New Economy Skills Training
Data Scientist
New York, NY
Jun 2015 to Oct 2015

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 using neural nets, k-means
Project IV: Summarized tech forum superuser.com forum using NLP and topic modelling

Comcast
Software Developer
Philadelphia, PA
Jul 2014 to Jun 2015

- Contributed to building a framework that would allow QA to write BDD scripts that would automate manual testing (Cucumber / Java)
- Build dashboards to monitor nightly run jobs and testing efforts (Flask, Angular)
- Built a proxy framework that aided QA's efforts in reproducing customer bugs (Netty)

RIT Document Pattern Recognition Lab
Student Researcher
Rochester, NY
Jan 2014 to May 2014

- Built a search engine for math research papers from the Wikipedia and arXiv collection; system based on Tf-IDF for text scoring and custom Symbol Layout tree for math scoring
- Entered our designed system in the NTCIR-11 international conference; system placed in the top 3

J.P. Morgan
Technical Analyst
New York, NY
Jun 2012 to Oct 2012

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

M & T Bank
Quality Assurance Analyst
Bufallo, NY
Dec 2009 to May 2010

- Captured Quality Assurance Metrics from HP Quality Center to Microsoft SQL Server
- Implemented dashboards using Microsoft Reporting Services

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

Deep Learning Foundations
Udacity (ongoing)

Data Engineering on Google Cloud Platform
Coursera (ongoing)