

NIDHIN PATTANIYIL

ASPIRING DATA SCIENTIST

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in nidhinpattaniyil

📄 npatta01

Skills

LANGUAGES

Java

Python

SQL

Javascript

Typescript

MACHINE LEARNING

Pandas

NumPy

Scikit-learn

Opencv

nolearn

Graphlab

SCALABLE DATA TECHNOLOGIES

Apache Spark

AWS (S3,EC2,EMR)

MapReduce

Apache Solr

Mongodb

Redis

WEB FRAMEWORKS

Flask

Angularjs

Spring Boot

TESTING

Cucumber

Spock

Jasmine

JUnit

Employment

Metis New Economy Skills Training

New York, NY

Data Scientist

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

- 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

- 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

- Maintained and enhanced deployment infrastructure (Msbuid 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

- 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)

Introduction to Data Science (Coursera)