

ADITI NABAR

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Houston, TX

WORK EXPERIENCE

Rolls-Royce, Houston, TX

July 2017 – Present

Data Scientist

- Developed a proof of concept for anomaly detection and object detection tasks using OpenCV.
- Built a Siamese LSTM neural network architecture to generate potential sale predictions using unstructured text data, and wrapped it with an app-like user interface.
- Stood up development environments in Linux for image analysis and data science tasks
- Delivered bi-annual trainings on data science topics to a team of 9 individuals.
- Led on-site, office-wide volunteer initiatives with Junior Achievement of Southeast Texas.

Synapse, Houston, TX

Jan 2016 – April 2017

Business Analyst – Product Development, Quality Assurance

- Met with pilot clients and stakeholders on a regular to understand their business problems.
- Defined functional requirements of application to meet stakeholder needs.
- Created test case scenarios for internal and external products and processes.
- Automated end-to-end testing in JavaScript, and conduct manual testing.
- Managed version control and sprint planning using git and Atlassian JIRA.

TECHNICAL PROJECTS

Deep Learning: Neural Networks - Image classification with Python

Feb 2017

- Built single-layer neural network architecture to classify images from the MNIST data set.
- Achieved classification accuracy of 98%.
- Implemented neural network in Python using Keras and TensorFlow.

Optimal Clusters Algorithm – Python

Nov 2016

- Demonstrated the use of the Elbow Method in optimizing the number of clusters defined for k-means clustering for any 2D dataset.

Map the Gap – R

Jan 2015 – Dec 2015

- Collected data from public and proprietary data sources.
- Generated descriptive statistics on educational data sets using R.
- Compiled local public school and census data into an interactive map that visually demonstrates how several factors, such as parent marital status and income level, affect the academic achievement gap.

EDUCATION

University of Houston '17 | MS in Applied Math

University of Texas at Austin '13 | BS in Psychology

Minor: Business Foundations Certificate, McCombs School of Business

RELATED COURSES AND LEARNING

Deep Learning: Pattern Recognition
Probability Theory
Numerical Analysis I & II
Scientific Computing in Python

Statistics Theory
Scientific Computing
Linear Algebra
Intro to Statistical Learning – James,
Witten, Hastie, Tibshirani

OTHER

Toolkit: Python [pandas, scikit-learn, numpy, TensorFlow, Keras, gluon, gensim, Flask], R, git, Putty, Linux (Ubuntu 16.04), VMWare, Visual Studio Code, Microsoft Azure, Atlassian JIRA, JavaScript [mocha.js, chai.js, Webdriver.io], Docker

Certifications: SAS Certified Base Programmer, SAS Certified Predictive Modeler

Professional Development: Grace Hopper Celebration Hopper, Member [Houston R Users Group]; PyData Dallas 2015, HRUG Intro to R Mentor

Websites: <http://bit.ly/AditiLinkedIn>, <http://bit.ly/AditiGithub>