

Sneha Arkery

sa4211@nyu.edu

+1-929-370-6766

<https://github.com/snehaarkery>

<https://www.linkedin.com/in/sneha-arkery-b3b11088/>

<https://snehaarkery.github.io/website/>

EDUCATION

New York University

Master of Science in Computer science

Courses: Big Data programming, Cloud Computing, Algorithms, Machine Learning, Information Visualization, Artificial Intelligence

Manipal University, India

Bachelor of Technology in Computer Science

Sep 2016 – May 2018

GPA: 3.65/4

Jul 2011 – May 2015

GPA: 7.88/10

PROFESSIONAL EXPERIENCE

Millennium Management LLC, Software Engineering Intern, New York

Jan 2018 – May 2018

- Enhanced the existing fixed income analytics platform to fetch Equity market data and store it in the SQL database.
- Designed and developed a new Equity Pricer for the equity data from SQL database using Java Spring Framework.

Millennium Management LLC, Software Engineering Intern, New York

Jun 2017 – Aug 2017

- Developed a Data Migration tool to migrate data from existing SQL or MongoDB to new MongoDB using Java Spring framework.
- Re-factored the volatility data flow for fixed income technology using MongoDB and Java Spring framework.

Deloitte India (Offices of the US), Software Developer, Hyderabad, India

Aug 2015 – Aug 2016

- Developed a Database UI web application using .Net, MVC framework and Java Script.
- Designed a new user interface for Data Migration tool (Workday Hoover) to launch its component tools on single click using .Net.
- Received a special mention from Director for this new interface as it expedited the data migration to Workday servers.

Deloitte India (Offices of the US), Software Developer, Hyderabad, India

Jan 2015- Jul 2015

- Contributed to feature enhancement of application which determines the eligibility of an individual for the Government aided programs (SNAP, TANF, etc) using Java.
- Developed interfaces to interact with the third-party agencies (like IRS, MMIS etc) using Java, JavaScript and JQuery.

RELEVANT PROJECTS

Restaurant Data Visualization

Oct 2017 – Dec 2017

- Created visualization dashboards using D3.js and identified the popular restaurants and cuisines in Las Vegas based on the ratings.
- Studied different plots created in the dashboards and identified the pros and cons for each to conclude the best plot depicting the data.

Pacman – Artificial Intelligence

Sep 2017 – Nov 2017

- Implemented Monte Carlo Tree Search and compared its performance with other search algorithms like A*, BFS using Python.
- Built learning model using reinforcement learning and Q-learning techniques to train the Pacman to achieve high scores.

Stock Data Analysis

Feb 2017 – May 2017

- Analyzed a company's performance and determined its correlation with stock prices in a certain period.
- Built a prediction model with 95% accuracy using linear regression to predict future stock price variations using SparkML.
- Determined sentiments for a company by applying Stanford CoreNLP sentiment prediction on Twitter streaming data and analyzed its influence on stock prices. Plotted visualizations for stocks data correlations on an interactive dashboard built using Python Django.
- Technologies:* Apache Spark, SparkML, SparkSQL, Python, Python Django, Zeppelin, Java

Bartex - Cloud Computing Project

Mar 2017 – May 2017

- Developed a Barter application and hosted it using AWS Elastic Beanstalk that could be accessed to exchange products.
- Added a product price prediction feature to the application using AWS ML Regression module by considering few factors like purchase history, brand that determined a product's price range.
- Technologies:* Django Python, SQL, HTML, CSS, AWS Services: RDS, SQS, SNS, Machine Learning.

Trending Tweets

Jan 2017 – Mar 2017

- Designed and developed an application which takes a keyword and searches the trending tweets based on it from Twitter streaming API and plots the tweet location along with its sentiment on google maps.
- Technologies:* Alchemy API - sentiment analysis, AWS Services: Elastic Search, Elastic BeanStalk, SQS, SNS

Eat Easy

Jan 2017 – May 2017

- Developed an Android application that could be used to check if a food product is within dietary restrictions.
- Implemented a scanner to scan a barcode of a packaged food and list its ingredients.
- Technologies:* React Native, Android, Java Script

TECHNICAL SKILLS

Proficient in: Python, Java, Spring Framework, MongoDB, D3.js, Tableau, Pig, C/C++, SQL, Javascript, HTML, CSS, Windows, Linux

Big Data Tools: Spark, Hadoop, MapReduce, Kafka, Elasticsearch, AWS, Docker

Familiar with: C#, .Net, Scala, R, Zeppelin, ReactJS, PHP, XML

AWARDS AND ADDITIONAL INFORMATION

- Applause Award** for outstanding performance and timely delivery as a Business Technology Analyst at Deloitte. **2015**
- Spot Award** for exhibiting outstanding performance as an Intern at Deloitte. **2015**
- Co-founder of **TALK IT OUT** an open discussion forum of Manipal Institute of Technology. **2013**