

# DHAVAL SUTHAR

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## EDUCATION

### Northeastern University, Boston, MA

Master of Science in Information Systems (GPA: 3.85)

Expected May 2020

Relevant courses: Web Development, Database Management, Data Science, Application Engineering and Development (Java SE)

### Mumbai University, Mumbai, India

Bachelor of Engineering in Information Technology

May 2016

Relevant courses: Data structures and Algorithms, , Data Mining & BI, Data Warehouse, Big Data Analytics, OOPs

## TECHNICAL SKILLS

- **Languages:** Java 8, Python 3, SQL
- **Database Technologies:** MySQL, MSSQL, PostgreSQL, MongoDB
- **Data Analytics & Visualization:** Pandas , SciKit-Learn, NLTK, Excel, Matplot, PyPlot, Tableau, Google Data Studio, D3.js
- **Machine Learning :** Regression, Logistic, Clustering, Classifier
- **Big Data Frameworks:** MapReduce, Hive
- **Web Technologies:** HTML5, CSS3, Bootstrap, JavaScript, Flask
- **Tools & IDEs:** Docker, Jupyter Notebook, PyCharm, Postman
- **Version Control:** Git, Bitbucket

## PROFESSIONAL EXPERIENCE

### Data Analyst - Media.net Software Services LTD. | Mumbai, India

May 2017 – Jun 2018

- Analyzed Big data extracted from various database systems(RDBMS/Hive) to identify trends and patterns to solve business-critical problems
- Written complex SQL queries/Hadoop programs to create Ad-hoc reports and dashboard
- Enhanced Customers dashboard system's data loading task by 50% with modifying metrics of database tables and Query optimization
- Assisted the Product Managers team with crunching, visualization, and reporting of data and enabling software development team in feature optimization & A/B Testing

### Software Engineer - Faclon Labs Pvt. LTD. | Mumbai, India

Oct 2016 – Mar 2017

- Developed a web application enabling clients to configure/monitor startup's custom IOT devices using Agile methodology
- Extensively used AngularJS, JavaScript and Bootstrap to create user-friendly UI
- Build WebSocket using socket.io for real time data streaming
- Leveraged various web tools and methods to deploy functional units of application with TDD approach
- Collaborated with cross functional teams to identify and design critical test cases and scenarios

## ACADEMIC PROJECTS

### Analyzing Hiring Trends in USA FinTech Industries | ( Python, Pandas, NLTK, Docker, Flask, Dask, Scrappy)

Feb 2019 – Feb 2019

- Scrapped job posting of top 24 banks to build dataset, cleaned and transformed using various cleansing techniques.
- Did a feature engineering and deployed classifier model to classify job Type(Fintech vs NonFintech)?
- Automated entire data pipeline using Dask and deployed application using Docker on [Dockerhub](https://github.com)

### Online Medical Store | (MySQL)

Nov 2018 – Dec 2018

- Designed and developed Database model of Online medical store to store information about different entities and their attributes
- Leveraged various database techniques such as normalization, views, triggers, stored procedures to support various business rules and functionalities

### Spatial Data analysis using Hadoop | (Hadoop MapReduce, Java)

Jan 2016 – April 2016

- The objective is to remove redundant and faulty data with help of md-5 algorithm to make data more suitable for analysis process
- Used Hadoop Distributed framework to process data on distributed platform to reduce processing time to 25%
- Revised final dataset quality up to 40% from original dataset

### Prediction of Worldwide gross of a Movie | (LAMP stack, JDBC, Data Mining Algorithms)

Mar 2016 – April 2016

- Made a web application to predict worldwide gross revenue of a movie and classify whether movie will be a hit or flop
- Deployed Regression and Naïve-Bayesian Classifier Algorithms
- Utilized various web technologies: HTML5, CSS3, PHP and MySQL and JDBC