

Neha Bharambe

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Visa Status: Canadian Permanent Resident

Data Scientist experienced in data collecting and analyzing datasets in order to derive successful business solutions. Proficient knowledge in statistics and mathematics. Working experience of data visualization tools like Tableau and D3.js. Around 4 years of experience working as a software developer. Strong problem solving and analytical skills.

SKILLS

<i>Programming Skills</i>	Python, R, JavaScript, VBA for excel, D3, HTML
<i>Databases</i>	Oracle, SQL, MySQL, MongoDB
<i>Data Visualization</i>	Tableau, D3.js
<i>Machine Learning Skills</i>	Regression, Classification, Natural language processing

EXPERIENCE

City of Jersey City

Data Scientist

- Modernize City's data collection processes to make it Smart City.
- Build strategies for Data mining to deliver insightful results.
- Analyze City's data using machine learning techniques to have action driven solution to the problem.
- Manage City's Open data portal and data stories
- Analyzed affordable housing options in Jersey City and reviewed RFP for Affordable Housing Portal
- Created various public facing tableau visualizations to showcase key metrics and statistics for multiple City's project - Composting in Jersey City, Environmental Impact Initiatives, Streets resurfaced from 2008
<https://public.tableau.com/profile/jersey.city#!/>
- Analyze COVID-19 data of Jersey City and its impact.
- Built a tableau visualization on COVID-19 patients in Jersey City to provide up to date information to residents
<https://bit.ly/covidjc>

City of Jersey City

Data Science Intern

Jersey City NJ USA

Feb 2019 – Apr 2019

- Analyzed and developed a dashboard on Parking dataset
- Analyzed parking violations dataset to determine which area needs enforcement at what time of day.

Deloitte Consulting LLP

Consultant

Mumbai MH, India

Jun 2016 – Nov 2016

- Worked as Workday Integration Consultant.
- Ensure Defect Free delivery and adhering to software development Life cycle.

Tata Consultancy Services Limited

System Engineer

Mumbai MH, India

Feb 2013 – May 2016

- Worked as PeopleSoft Technical/Functional Consultant.
- Managed team for implementation of PeopleSoft ELM
- Conducted PeopleSoft - HCM training sessions.

2019 NAEP Educational Data Mining Competition - The goal of the competition was to engage leading researchers and promising doctoral students to push the field of educational data mining forward, develop metrics for measuring students' test-taking activities, and help develop and test evaluation methods for educational analysis. Developed a classification model using random forest algorithm and successfully completed the competition with 35% prediction accuracy.

<https://sites.google.com/view/dataminingcompetition2019/winners>

Student Dropout Prediction Challenge (In Class Kaggle Prediction Competition) – The objective of this competition was to accurately predict whether a student will drop out or not from the enrolled coursework. Completed this competition with 97% prediction accuracy.

<https://www.kaggle.com/c/student-dropout/leaderboard>

Smart Tutoring system using Google BERT - The purpose of this project is to create a virtual teaching assistant system in the field of financial literacy domain. This tutoring system presents some questions to the students, evaluates the answers by students, gives suggestions and assess the overall student's understanding of the topic. Used Google's NLP engine – BERT for creating question answering and evaluation system. This project is still being researched and in development phase.

EDUCATION

New Jersey City University (School of Business)
Masters of Science
Business Analytics and Data Science

Jersey City NJ (USA)
Graduation: Dec 2019
CGPA: 4.00

RTMNU Nagpur
Bachelors of Engineering
Electronics and Telecommunication

Nagpur, MH (India)
Graduation: Jun 2012
CGPA: 3.65

CERTIFICATION

Coursera
IBM
Stanford
Udemy

Introduction to Big Data
Big Data Foundation – Level 1
SQL
Mastering visualization using d3.js

LANGUAGES

Fluent in English, Hindi and Marathi language(s)