**Naren Bakshi**

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**LinkedIn:** (<https://www.linkedin.com/in/naren-bakshi/>) | **GitHub:** (<https://github.com/narenbakshi97>)

**Portfolio:** (<https://narenbakshi97.github.io/naren/>)

**PROFESSIONAL SUMMARY**

**Data Science** graduatestudent with professional experience in**Software Development** & **Database Operations.**

Interests in **Software Engineering, Machine Learning** & **Database Operations.**

**EDUCATION**

**Rutgers University,** New Brunswick, NJ December 2020

Master of Science in **Data Science (Statistics)**

**Kadi Sarva Vishwavidyalay**, Gujarat, India May 2018

Bachelor of Engineering in **Computer Engineering**

**PROFESSIONAL EXPERIENCE**

*Programmer & Analyst Graduate Assistant*, **Rutgers School of Social Work,** New Brunswick, NJ Dec 2019- Present

* Programmed an automation script to generate multiple SQL reports in lesser time using Batch, SQL, and Python
* Analyzed and tested the organization website and database using Microsoft Excel, and Agile principles for Quality Assurance
* Documented the procedures followed for database and website creation and testing

*Web Developer Intern*, **Indian Institute of Management Ahmedabad,** India May 2017- July 2017

* Built a course registration website for a graduate course offered by the institute
* Coded User Interface with HTML, CSS, JavaScript, and Bootstrap, and Back-end with PHP and MYSQL
* Created documentation of the website design and performed testing before deploying

**TECHNICAL PROJECTS**

**Movie Recommendation Engine,** Financial Datamining and Machine Learning(**Pandas, Sklearn)** Feb 2020 – May 2020

* Formed a team and applied collaborative user-based and item-based filtering methods for recommendations
* Compared the RMSE values of training and testing sets for both methods

**Black Friday Sales Prediction,** Regression and Time Series Analysis **(R, Linear Regression)** Sept 2019 – Dec 2019

* Collaborated with classmates and divided the project into EDA, Modeling, and Optimization
* Cleaned the data using outlier-detection, bi-variate analysis, and correlation matrix
* Applied forward selection and optimized the final model using BIC, Mallow’s CP, and Adjusted R-Squared

**Bird Sighting Tracker,** Undergrad Final Project **(Python Flask, Google Maps, MySQL)** Dec 2017 – May 2018

* Recorded sightings reported by user and displayed on a map
* Utilized heatmap to display the chances of sightings by calculating the number of sightings reported
* Planning to migrate the database to Firebase and deploy it on the cloud

**Shopping Mall BOT,** UndergradMini Project **(Java Servlet, JSP, JSON, HTML Canvas)** Jul 2017 – Dec 2017

* Designed a voice enabled BOT to assist user in a shopping mall
* Presented with my team in a Smart city innovation event by state Government
* Planning to add AI functionality to suggest frequently bought together items

**TECHNICAL SKILLS**

**Technical:** SQL (MYSQL, Oracle, SQL-Server), Batch Script, Unix, C, C++, HTML & CSS, JavaScript, jQuery, PHP, Java, Python, Android, R, Microsoft Office Suite

**Certifications:** *Data Science for Engineers,* **NPTEL Platform (IIT Madras),** March 2019

*Introduction to Computer Science (CS50),* **Edx Platform (Harvard University),** September 2017

**ACTIVITIES**

*Member,* **World Wildlife Fund**

*Participant,* **Climate Change course by World Wildlife Fund Germany**

Certified Indian Classical Violinist

**RELEVANT COURSEWORK**

Data Structures & Algorithms | Database Management Systems | Computer Networks | Cyber Security | Object Oriented Programming with C++ | Artificial Intelligence | Computer Organization & Architecture | Android Programming | Big Data Analytics | Distributed Systems | Probability and Statistics | Data Wrangling | Statistical learning | Natural Language Processing