

Naren Bakshi

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

PROFESSIONAL SUMMARY

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

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

EDUCATION

Rutgers University, New Brunswick, NJ
Master of Science in **Data Science (Statistics)**

December 2020

Kadi Sarva Vishwavidyalay, Gujarat, India
Bachelor of Engineering in **Computer Engineering**

May 2018

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, Mallows' 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, Undergrad Mini 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