Naren Rajiv Bakshi
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SUMMARY
Recent Data Science graduate with professional experience in Software Development & Database Operations. Seeking to utilize problem solving, analytical and technical skills to thrive as a Programmer and Developer.

EDUCATION
Rutgers University, New Brunswick, NJ *December 2020*
Master of Science in **Data Science (Statistics)** **GPA: 3.5/4**
Kadi Sarva Vishwavidyalay, Gujarat, India *May 2018*
Bachelor of Engineering in **Computer Engineering** **GPA: 3.82/4**

SKILLS
Programming Languages: Java, Python, C/C++, Android
Frameworks and micro-Frameworks: Flask, Django, Spring Boot
Web Technologies: HTML, CSS, Bootstrap, JavaScript, JQuery, PHP, REST, MERN Stack, JSP & Servlets
Database Technologies: MYSQL, MongoDB, Firebase, Oracle, SQL-Server, JDBC
Software Tools: Git, Docker, Ansible, Amazon Web Services (AWS), Linux, MacOS, Microsoft Office Suit
Data Science and Machine Learning: Pandas, NumPy, R Language, matplotlib, seaborn, scikit-learn, nltk (NLP), Supervised Learning (classification and regression), Unsupervised learning (clustering), OpenCV (Computer Vision), Keras, Neural Networks

PROFESSIONAL EXPERIENCE
Programmer & Analyst Graduate Assistant, **Rutgers School of Social Work,** New Brunswick, NJ *December 2019- January 2021*
- Automated SQL report generation of more than 30 reports at a go using Python and Batch Script
- Optimized import and export process across SQL variants (Oracle, MYSQL, Sql-Server) via automation
- Quality Assured data records using Microsoft Excel Pivot Tables, Regex and Pyodbc

Web Developer Intern, **Indian Institute of Management Ahmedabad,** India *May 2017- July 2017*
- Designed course registration website using PHP, MYSQL, HTML, CSS, Bootstrap, and JavaScript
- Extensively documented website design and performed thorough testing before deploying.

PROJECTS
WhatsApp Simulation (MERN Stack) *February 2021*
- Applied design pattern principles and deployed app with Firebase and Heroku

Coronavirus Tracking App (Spring Boot, Thymeleaf, Springweb, Java) *January 2021*
- Coded a web application and showed country wise Covid cases data from Johns Hopkins GitHub repository

Book Authorship Identification (Keras, nltk, Scikit-Learn) *November 2020*
- Built word-embeddings using GloVe model and applied Naïve Bayes and LSTM models and achieved test accuracy of 0.87
- Established the importance of context in NLP by dividing the corpus by sentence, and by paragraph and the latter gave better results

Maze Runner (Python, Matplotlib) *September 2020*
- Implemented an AI agent to solve a Maze on fire using BFS, DFS, and A* Algorithms
- Strategized a better solution to use the prior knowledge of the environment (Manhattan distance from burnt blocks, and destination) to solve it in lesser steps

US Economy Twitter Data Scraping (Python, MongoDB, PostgreSQL, Flask) *April 2019*
- Extracted the tweets using Twitter API, and stored the user data into PostgreSQL(relational) and tweet data into MongoDB (no-SQL) to analyze top tweets, retweets, hashtags, etc.
- Displayed the results via Flask Web App

Memory Bonsai Photo Gallery (PHP, MYSQL, HTML Canvas, PhpMyAdmin) *November 2018*
- Designed a visually interactive bonsai plant using P5.js, PHP, and MYSQL
- Final product was able to show each photo as a clickable flower which opens image with description (thus a memory bonsai)

Bird Sighting Tracker (Python Flask, Google Maps API, MySQL) *May 2018*
- Engineered a web application to store sightings of birds from user and displayed nearby birds on map
- Website was able to show the chances of sightings (Probability of bird being sighted) and also an extensive analysis of sightings reported by area, species, and season/month

Shopping Mall BOT (Java Servlet, JSP, JSON, AJAX, HTML Canvas, Google Speech-text and text-speech API) *December 2017*
- Programmed a voice enabled (Artyom.js) BOT to assist in shopping mall using set of commands
- Achieved a chatting interface experience by sending the speech to text input through an AJAX call to server to display the response (item location in store, available brands, offers, shopping cart operations)

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