Pranjal Patel

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Research-oriented professional with a strong background in Computer Science with strong skills in data pre-processing, data processing, database management, data visualization, machine learning algorithms, neural networks, and data science. The short-term goal is to leverage strong data science skills to fill the position of Data Scientist or Data Analyst effectively. My long-term goal is to grow as a Machine Learning Engineer. Strengths include excellent verbal skills, sterling teamwork, well organized, ability to grasp ideas quickly, and hunger to learn something new from anyone.

EDUCATION

Boston University — September 2021 - January 2023
Masters in Computer Science, Overall GPA: 3.48 — *Boston, MA*
- Relevant Courses: Machine learning, Web analytics and mining, Foundation of ML with R.

SRM Institute of Science and Technology — June2017 - June 2021
Bachelors in Computer Science, Overall Percentage: 80 — *Chennai, India*
- Relevant Courses: Analysis of algorithms, Data mining and analytics, Discrete Mathematics, Database systems.

PROFESSIONAL EXPERIENCE

Business Data Analyst — February 2023 – May 2024
Param Consulting Services — *Iselin, NJ*
- Created an Excel VBA script that automates the gathering of data from internet sources, saving more than five hours of work each month. kept an eye out for data releases on other websites and compiled the most recent details.
- Wrote SQL scripts to examine more than a thousand datasets for errors and missing data series, as well as lags.

Data Analyst Intern — June 2022 – August 2022
Shift4 — *Allentown, PA*
- Liaised with developers to automate the process of verification of the data provided by writing a script in SQL and Python. SQL Server was used to manage the data. Delivered important inferences using Tableau.
- Performed Exploratory Data Analysis on a dataset using R and presented findings with R Markdown.

Data Analyst — February 2019 – May 2021
Invisible Fiction — *Gujarat, India*
- Proficiently extracted relevant data from various sources using tools like Python (Beautiful Soup, Scrapy) or R. I meticulously cleaned and transformed raw data, addressing missing values, outliers, and inconsistencies.
- Created comprehensive reports and visualizations using tools like Python (Pandas, Matplotlib, Seaborn) or SQL. Presented findings to stakeholders, translating complex data into understandable narratives for strategic planning and performance improvement.

Research Analyst — September 2018 – December 2018
SRM Institute of Science and Technology — *Chennai, India*
- Completed extensive literature review and web research to study the crime rates in Chennai.
- Built various regression models with R to identify the key factors impacting crime rates in Chennai and visualized their correlations.

PROJECTS

Interactive Data Dashboards | *Looker Studio, Google Sheets, Excel* — October 2023 – January 2024
- Orchestrated the creation of interactive data dashboards using Looker Studio, integrating data from Google Sheets and Excel. Designed customized visualizations and organized dashboards for efficient navigation, leveraging Looker Studio's user-friendly interface. Empowered stakeholders with actionable insights, facilitating informed decision-making.

Disaster Tweet Classification | *NumPy, Pandas, Keras, Sklearn, Nltk, Matplotlib* — March 2022 – April 2022
- Build two machine learning models to correctly classify tweets if they are related to any disaster or not. The first model used a count vector and Random Forest while the second used Bidirectional LSTM. The accuracy of both models was compared and useful inferences were extracted.

Sentiment Analysis of Social Media | *Seaborn, AdaBoost, LDA, Gradient Boosting, KNN.* — March 2022 – April 2022
- Used machine learning to detect sentiment on social media posts. By comparing algorithms and using natural language processing, identified the sentiment and extracted features. To ensure reliability, used cross-validation techniques.

Exploratory Data Analysis | *R markdown, DPLYR, ggplot2, tidyverse* — October 2021 – November 2021
- Analyzed Boston's crime rate data, uncovering trends and correlations. Used statistical techniques and visualizations to draw meaningful conclusions presented in an R markdown file.

TECHNICAL SKILLS

Programming Languages: C, C++, Python, R, HTML, CSS, JavaScript
Software Development: Agile Methodology, ER-Modeling
DBMS: MySQL
Development Tools: WAMP Server, XAMP Server, Apache Tomcat, Eclipse IDE, Tableau, Looker Studio
Miscellaneous Tools: Microsoft Office(Excel, PowerPoint, Word), Postman, JIRA, GitHub
Communication: English, Hindi, Gujarati