

# 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

January 2023

*Masters in Computer Science, Overall GPA: 3.48*

*Boston, MA*

- Relevant Courses: Machine learning, Web analytics and mining, Foundation of Machine learning with R.

### SRM institute of science and technology

June 2021

*Bachelors in Computer Science, Overall Percentage: 80*

*Chennai, India*

- Relevant Courses: Analysis of algorithms, Data mining and analytics, Discrete Mathematics, Database management systems

## PROFESSIONAL EXPERIENCE

### Business Data Analyst

February 2023 – Present

*Param Consultancy and IT Services*

*Iselin, NJ*

- Analyzed data using SQL, Excel, and visualization tools to identify patterns and trends. Created interactive reports to help stakeholders understand metrics and make informed decisions.
- Led a team of developers, conducted regular team meetings, fostered collaboration, and successfully delivered the Django website within the agreed timeline and budget, meeting all specified requirements.

### 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.

## PROJECTS

### Portfolio Project | Django, HTML, Tailwind CSS, JavaScript

June 2023 – July 2023

- Developed a responsive portfolio website to showcase my abilities and accomplishments. The project offers users a user-friendly interface to explore my work, learn about my experience, and contact me for prospective partnerships and opportunities.

### 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, which were presented in an R markdown file.

## TECHNICAL SKILLS

**Programming Languages:** C, C++, Python, HTML, CSS, JavaScript

**Software Development:** Agile Methodology, ER-Modeling

**DBMS:** MySQL

**Development Tools:** WAMP Server, XAMP Server, Apache Tomcat, Eclipse IDE, Tableau

**Miscellaneous Tools:** Microsoft Office(Excel, PowerPoint, Word), Postman, JIRA, GitHub

**Communication:** English, Hindi, Gujarati