

PRANJAL PATEL

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SUMMARY

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. Short term goal to leverage strong data science skills to fill position of Data Scientist or Data Analyst effectively. Long term goal to grow as a Machine Learning Engineer. Strengths include excellent verbal skill, sterling teamwork, well organized, ability to grasp idea quickly and hunger to learn something new from anyone.

EDUCATION

Boston University | Boston, MA Sep 2021 – Jan 2023

Master of Science in Computer Science, Overall GPA: 3.48

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

SRM institute of science and technology | Chennai, India Jun 2017 – Jun 2021

Bachelor of technology in Computer Science, Overall Percentage: 80

- Relevant Courses: Analysis of algorithm, Data mining and analytics, Operating systems, Artificial Intelligence, Discrete Mathematics, Database management systems

PROJECTS EXECUTED

Disaster Tweet Classification, Boston University Mar 2022 — Apr 2022

- Build two machine learning models to correctly classify tweets if they are related to any kind of disaster or not. The first model used count vector and Random Forest while the second used Bidirectional LSTM. The accuracy of both the models were compared and useful inference were extracted. The accuracy of the Random Forest was just 57% whereas, accuracy of the LSTM model was 75%. In addition, used TF-IDF vector to generate a vector matrix of tweets and used randomized SVD for topic extraction. Stack: NumPy, Pandas, Keras, Sklearn, Nltk, Matplotlib

Exploratory Data Analysis, Boston University Oct 2021 — Dec 2021

- Data of Boston Crime rates was used to identify patterns of crimes in the city of Boston. Important inferences were made from the data. Delivered a R markdown file as presentation. Stack: R markdown, DPLYR, ggplot2, tidyverse, ggmap, devtools

Sentiment Analysis of social media, Boston University Mar 2022 — Apr 2022

- Trained machine learning model to detect the sentiment of the people reacting on the social media. Implemented different algorithms to identify the sentiment and compared the accuracy of different models. Stack: Sklearn, NumPy, Pandas, Matplotlib, Seaborn, AdaBoost, Logistic Regression, MLPClassifier, LDA, Gradient Boosting, KNN.

PROFESSIONAL EXPERIENCE

Data Analyst Intern, Shift4, Allentown, PA Jun 2022— Aug 2022

- 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.
- Using R performed an Exploratory data analysis on a different dataset and using R markdown delivered a presentation.

PROFESSIONAL SKILLS

- **Computer:** Python, C++, C, SQL, HTML, CSS, JavaScript, R, Tableau, MS Office (Excel, PowerPoint), Data science Libraries, Neural networks
- **Tools:** MySQL, Git, Keras, TensorFlow
- **Language:** English (fluent), Gujarati (native), Hindi (fluent)