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   June2021 - 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 – 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 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
Miscellaneous Tools: Microsoft Office(Excel, PowerPoint, Word), Postman, JIRA, GitHub
Communication: English, Hindi, Gujarati