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 ML 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 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