JAINDRA PARVATHANENI

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ABOUT

MS in Computer Science from Boston University, exploring my interests in Data Analytics, Web Development and Software Engineering

EDUCATION

Boston University   Boston, MA
Masters in Computer Science, GPA(3.6/4.0)   *Sept. 2023 – Jan. 2025*

B V Raju Institute of Technology   Telangana, India
B.Tech in Computer Science and Engineering, GPA(7.68/10)   *Aug. 2019 – May 2023*

PROJECTS

Premier League Performance analysis and Prediction |
- Utilized Pandas, Numpy, Matplotlib, SKLearn to Develop a tool which analyzes player performance and predicts future performance metrics using a feature called the Performance Index
- The project also predicts the better performing teams using the aggregated performance index while also identifying potential signings.
- Used Pandas, Numpy and Standard Scaler to preprocess the dataset downloaded from Kaggle.
- Used RandomForestRegressor to perform the predictions.

App review Sentiment and Trend analysis tool |
- Applied Natural Language Processing to understand User Feedback
- Used NLTK's VADER tool, SentimentIntensityAnalyzer to perform sentiment analysis on user reviews and assign every review a sentiment score from -1 to 1
- Implemented a keyword search in the project which when used will show the varying sentiments over a time period on the searched keyword
- Data set used was a CSV file containing reviews for the app 'Threads' taken from kaggle.

Cardio Inspect using Ensemble Learning | *B.Tech Major Project, Group*
- Developed a project which uses Ensemble learning to predict the best accuracy of there being a heart disease in a person based on the ECG image readings.
- Learned about different kinds of ML algorithms like Random Forest, K-Means, K-NN and C-NN
- Contributed to the team by helping develop the project and giving presentations during the project reviews

Personal Bio Webpage | *Term Project for BU MET CS 601 Web Application Development*
- Created a Personal Bio website using HTML, CSS and JavaScript

CERTIFICATIONS

Python for Data Science and Machine Learning Bootcamp
udemy
- Learned to use Pandas, Numpy, Matplotlib, Seaborn, Scikit-Learn, NLTK for Data Analytics
- Learned to clean, preprocess and visualize the data and how to feed it to ML algorithms also to understand the evaluation metrics

Programming Foundations with JavaScript, HTML, CSS
Coursera - Duke University
- Learned to code in JavaScript, HTML and CSS

Machine Learning: Regression
Coursera - University of Washington
- Learned about Regression algorithms and how to asses their performance

Python Data Structures
Coursera - University of Michigan
- Learned about Data Structures in Python

SKILLS AND RELEVANT COURSES

Skills: Data Analysis, Python, SQL, R, Java, JavaScript, HTML, CSS
Relevant courses: Data Science with Python, DBMS, Web Mining and Graph Analytics, Operating Systems, Data Visualization with R, Web Application Development, IT Project Management