

VRISHTI JAIN

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EDUCATION

- Rensselaer Polytechnic Institute, Troy New York** Dec 2020
Master of Science in Information Technology(IT), GPA: 3.96/4.0
- Shri Govindram Seksaria Institute of Technology & Science(SGSITS), Indore, India** May 2019
Bachelor of Engineering in Computer Science & Engineering

RELEVANT COURSEWORK

Data Mining, Data Structures, Database Management System, Algorithms, Software Development, Operating System, Business Issues.

TECHNICAL SKILLS

- Programming:** C, Python, Java , Bash, R
- Web Technologies:** JavaScript, HTML, CSS, JSP, Servlet, Ajax, JQuery,ReactJs, Angular, Flask
- Database:** MySQL,Postgresql MongoDB, XML, JSON
- Machine Learning :** Pandas, Numpy, NLTK, Scikit-learn, TensorFlow, Keras , Matplotlib, Seaborn, ggplot
- Tools:** Eclipse, NetBeans, Turbo C, Git, Visual Studio, Jupyter Notebook, Postman, IntelliJ, R Studio, Latex, Argo UML, Anaconda

RELEVANT EXPERIENCE

- Developer and Client Liaison, | Johnson & Johnson** Spring'20
• Collaborated with a team of 5 to develop workflow system which could automate the NPD supplier chain selection using Microsoft Power Apps and Sheets to design the system and provide the tool for data reporting and visualization.
- Collaborated with J&J team to work on requirements, testing, pitch deck and easy integration with the current system.

- Graduate Teaching Assistant, RPI** Aug'19-Dec'20
• Introduction to Computer Science Course (CSCI 1100) Fall(19-20)
- Application programming using Java(CSCI 4963) Summer'20
- General Psychology Spring'20

SELECTED ACADEMIC PROJECTS

- Television Viewership prediction using Tweets** Spring'19
• Developed a full-stack, end to end application as part of the major project in the final year of Engineering. Created Interactive dashboard using AngularJS framework to fetch live tweets with python APIs integrated with Flask framework. The project included television viewership prediction results for a particular program using opinion mining on tweets retrieved from Twitter. This was implemented on a sample of training data using Machine Learning models and then obtained results on a substantial testing set.
- Achieved training accuracy R2 score of 90.1 % with Random Forest to predict viewership. Obtained an accuracy of 77 % using the logistic regression classifier.

- New York Stores exploration System** Fall'20
• Designed Python Application integrated with Postgresql and MongoDB to allow the user to explore the Database such as search farmer's market by operation month, search retail store based on keyword, etc. Worked on Database setup, schema creation, Data preprocessing loading using libraries such as psycopg2, pymongo, and pandas with security in perspective.

- Sentiment Analyzer for YouTube Comments** Fall'20
• Implemented a full-stack web application using ReactJs framework, Bootstrap, and Flask server for the back end to analyze the Textual Comment Data. Used Machine learning models to predict sentiment score, visualization created using matplotlib and seaborn.
- Used TextBlob for labelling and CounVectorizer for feature extraction. Calculated the sentiment scores by implementing the Logistic Regression Model with an accuracy of 89%.

- Amazon.com - Employee Access Challenge** Spring'20
• Achieved roc_auc score of 86% with Logistic regression to predict whether employee access to particular resource. Performed EDA, encoding and feature selection with respect to Extra tree classifier, Logistic regression and Cat boost classifier(python).

- Get Placed - Job recruitment portal** Fall'17
• Built a Web application for students to automatize the job application process using JSP, Servlets, HTML and CSS.
- Used SQL for back end along with Apache Tomcat for handling the HTTP requests from the client.

- School Management System** Fall'17
• Developed Web application using JSP, Servlets, and SQL to provide an organized and systematic platform for administering school data in a centralised way.

CERTIFICATIONS

- Front-End Web Development with React With Honors, Coursera Aug'20
- Neural Networks and Deep Learning,deeplearning.ai, Coursera Jun'20
- Applied Text Mining in Python, University of Michigan Feb'19

LEADERSHIP AND INVOLVEMENTS

- Member of Gamma Nu Eta, IT Honor Society RPI