

VRISHTI JAIN

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EDUCATION

- **Rensselaer Polytechnic Institute, Troy New York** Dec 2020
Master of Science in Information Technology(IT), GPA: 3.94/4.0
- **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
Worked on Workflow management system in the supply chain which can automate the process and provide the tool for data reporting and visualization using Microsoft Power Apps and Sheets for easy integration with the existing system.

- **Graduate Teaching Assistant, RPI** Aug'19-Present
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

- **Workflow Management System, Johnson and 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.

- **Television Viewership prediction using Tweets** Spring'19
Achieved training accuracy R2 score of 90.1 % with Random Forest to predict viewership. Created Dashboard using angular to fetch live tweets. With python scripts, implemented and displayed results of preprocessing and sentiment score.
Obtained an accuracy of 77 % using the logistic regression classification of tweets into negative and positive based on the sentiment analysis.

- **Sentiment Analyzer for YouTube Comments** Summer'20
Build a web application using ReactJs, Bootstrap and Flask server with ML models to predict sentiment score.
Used TextBlob for labelling and CountVec 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 to with respect to Extra tree classifier, Logistic regression and Cat boost classifier(python).

- **Sleep Data Analysis in R** Fall'19
Achieved accuracy of 59.99 % using Tree based model for predicting the Sleep quality. Performed EDA, data cleaning collected by the app and draw valuable insights for the user to make effective decision about sleeping pattern.

- **Improving Usability of the Late Add/ Drop form of RPI** Fall'19
Presented solutions to improve usability of RPI- Add/Drop form by leading a team of 5 to do usability testing with positive feedback from the interviews.

- **Get Placed** Fall'17
Build 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.

CERTIFICATIONS

- Front-End Web Development with React With Honors, Coursera Aug'20
- Neural Networks and Deep Learning, deeplearning.ai, Coursera Jun'20
- AngularJS: Beginner's Guide to Front End Web Development on Udemy Jan'20
- Applied Text Mining in Python, University of Michigan Feb'19

LEADERSHIP AND INVOLVEMENTS

- Member of Gamma Nu Eta, IT Honor Society RPI
- Participated in Smart India Hackathon 2018 organised by Government of India.
- Participated in a 36-hour wall painting competition organized by club Pratibimb