VRISHTI JAIN

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EDUCATION

Rensselaer Polytechnic Institute|M.S. in Information Technology, GPA: 3.94/4.0 *Dec 2020*
Courses Completed: Data Mining, Data Analytics, Introduction to Machine Learning Applications, Foundations Of HCI Usability, Business Issues For Engineers and Scientists, Xinformatics.

SGSITS India| B.E in Computer Science *May 2019*
Courses Completed: Data Science, Data Structures, Database Management System, Design and Analysis of algorithms, Information and Network Security, Object Oriented programming

TECHNICAL STRENGTHS

Operating Systems	Windows, Linux (Ubuntu)
Programming Skills	Python, C, Core Java, Advanced Java, SQL, MongoDB(basic)
Web Designing	HTML, CSS, Advanced Javascript, Angular, JQuery, Ajax, JSP
Software Skills	Netbeans, Argo Uml, Creately, MySql, Github, Latex

PROJECTS

Workflow Management System, Johnson and Johnson Spring 20, RPI
- Collaborated with a team of 5 to develop a workflow system which could automate the NPD supplier chain selection.
- Used Microsoft tools such as Power Apps and Excel to design the framework and easy integration with the clients system.

Amazon.com - Employee Access Challenge Spring 20, RPI
- Achieved roc_auc score of 86 % with Logistic regression and 73 % with Extra Tree classifier to predict whether employee will get access to the particular recourse or not.
- Performed Exploratory data analysis, encoding and feature selection to find the importance of different features with respect to Extra tree classifier, Logistic regression and Cat boost classifier(python).

Patient Health Information System Spring 20, RPI
- The system helps in creating centralised repository to add, update and store Health Data. The user is also able to see primary visualizations of the uploaded data.
- The framework of the project is designed based on Fast Healthcare Interoperability Resources (FHIR) data formats, which was supported by Microsoft Azure and Node.

Sleep Data Analysis and Prediction in R Fall 19, RPI
- Predicted the Sleep quality using the kaggle Sleep Cycle iOS app.
- 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.

Televison Viewership prediction using Tweets Jul 18 - May 19
- To improve marketing and advertisement content and to visualize trends (python) with respect to historical viewership information and predict future viewership based on extracting features from tweets by applying opinion mining.
- Obtained an accuracy of 77 % using the logistic regression classification of tweets into negative and positive based on the sentiment analysis.
- Along with this, used features like imdb rating, viewership, Vader sentiment score, etc for modeling. Also, achieved R2 score of 90.1 % on training data and 69.93 % on test data set with Random Forest.
- July-December: Requirement gathering and refining software requirements specification(SRS)document Febuary-May: Iterative Implementation of the project, testing various cases and debugging

Improving Usability of the Late Add/ Drop form of RPI Fall 19, RPI
- Worked Worked identifying usability problems with the current form, build prototype iteratively with user feedback and tested them to create a more usable version of the form.

Get Placed Jul 17 - Sept 17
- Developed Web application to provide various facilities like handling student information, company information and further processing applications of eligible students who could apply for company recruitment.
- The project is made in Java EE using JSP, Servlets and MySQL as back end. Helps to provide portal for students to apply in the various eligible opening posted by by various companies.

School Management System Jul 17 - Sept 17
- Developed Web application to provide an organized and systematic platform for administering data of students, teachers, courses and classes, examination in a particular school.
- The project is made in Java EE using JSP, Servlets and MySQL as back end. Helps to provide scalable and centralised repository to store information.

EXPERIENCE

Graduate Teaching Assistant Aug'19 - Ongoing
Rensselaer Polytechnic Institute, Troy US
Teaching Assistant for Computer Science(CSCI1100), Application programming using Java(CSCI 4963), and General Psychology.
- The course CSCI 4963 includes advanced Java features, object-oriented features, parallel programming, database models, noSQL graph databases, combined with Java.
- For TA in Computer Science 1 emphasizing introduction to computer programming algorithm design and analysis. Additional topics include basic computer organization; internal representation of scalar and array data; use of top-down design and subprograms to tackle complex problem. Responsible for Lab sections, hold doubt solving sessions, grading assignments of students.
- In Psychology, supervised 2 sections of 200+ students during Spring 2020. To assist the professor during his lectures and grade the exams of the students enrolled in the course.

Developer and Client Liaison, Capstone, RPI | JJ Spring 20
- Responsible for scheduling meetings with the client and the team, establishing communication channels, strategies for milestones and preparing meeting minutes.

Teaching Assistant | Swati Jain Academy, Indore Dec'18 - Jan'19
- Responsible for taking classes of pgdca to teach Programming in C.

Coordinator | SGSITS Robotics Club Aug 16 - Feb 17
- Responsible for organising introductory workshops for freshers with the team

CERTIFICATION

- AWS Fundamentals: Going Cloud-Native, Amazon Web Services Feb'20
- Learning REST APIs on LinkedIn Feb'20
- AngularJS:Beginner's Guide to Front End Web Development on Udemy Jan'20
- Applied Text Mining in Python, University of Michigan Feb19
- Introduction to User Experience Design, Georgia Institute of Technology 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 SCAM(Selling, Convincing and marketing) a city level competition for testing Business Skils.
- Participated in Graffathon, a 36-hour wall painting competition organized by club Pratibimb of institute.