

# Dashmeet Kaur Chawla

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## EDUCATION

Rensselaer Polytechnic Institute (RPI), Troy, New York	December 2019
Master of Science in Information Technology(IT), GPA: 3.9/4.0	
Shri Govindram Seksaria Institute of Technology & Science(SGSITS), Indore, India	May 2018
Bachelor of Engineering in Computer Engineering	

## RELEVANT EXPERIENCE

<b>Software Engineering &amp; Project Assistant Intern, New York State Department of Health, Albany</b>	Summer'19
• Contributed to the development of open-source project BCI2000 at National Center for Adaptive Neuro-Technologies, Health Research Inc., New York State Department of Health.	
<b>Graduate Teaching Assistant, RPI</b>	
• Introduction to Computer Science Course, Students: 70	Fall'19
• Introduction to Information Technology & Web Science Course, Students: 90	Fall'18 - Spring'19

## SKILLS

**Programming Languages:** Proficient: C, C++, Python, SQL, R, MongoDB; Intermediate: Java, Octave  
**Web Development:** HTML, CSS, PHP, Javascript, jQuery, Ajax, JSP, Servlet, Angular.js, Node.js, React  
**Software Skills:** Git, Github, Microsoft Office, Android Studio, Jupiter Notebook, RStudio, Anaconda  
**Operating Systems:** MacOS, Linux, Windows 10

## SELECTED ACADEMIC PROJECTS

<b>The Stretch Goal Request Board for BD(Becton Dickinson),RPI</b>	Spring'19
• Developed a stretch goal request board for BD using Angular.js, Node.js for frontend, MongoDB for backend and included gamification elements for fun in Capstone Project.	
<b>Analyzed and Predicted Movies Ratings from IMDb data,RPI</b>	Spring'19
• Achieved an accuracy of 83.9% for predicting ratings of a new movie from a 3GB of IMDb dataset using regression. <a href="https://github.com/DashmeetKaur/IMDb-Data-Analysis">https://github.com/DashmeetKaur/IMDb-Data-Analysis</a>	
<b>Restaurants, Cuisine Recommendation &amp; Feature Correlation by analyzing Yelp data,RPI</b>	Fall'18
• Derived a method to recommend new cuisines, restaurants to users by analyzing 3GB of yelp data by using k-means clustering. Found relevant features ,on the basis of ratings, that could boost restaurants' revenues.	
<b>Usability testing of EasyHTML Editor,RPI</b>	Fall'18
• Improved the usability of EasyHTML Editor - a website to learn HTML (an RCOS - Rensselaer Centre for Open Source) by leading a team of 5 to do usability testing.	
<b>Enhancing Algorithms for solving the Traveling Salesman Problem and Simulation of Best Path using a Robot</b>	Fall'17 - Spring'18
• Derived better approximate algorithms that improved the results for Traveling Salesman Problem by at least 5% by enhancing the algorithms like Simulated Annealing and Genetic Algorithm.	
<b>Online Electoral System</b>	Spring'17
• Led the team of 4 people to build an online electoral system using HTML, CSS, and javascript for front-end and SQL for backend.	

## CERTIFICATIONS

Statistical Learning, Stanford University - Stanford Online.	Jul'19
React Native and Redux Course - Stephen Grider - Udemy.	Jun'18
Machine Learning , Stanford University - Coursera.	Nov'17
Big Data Specialization, University of California, San Diego - Coursera.	Oct'17

## RELEVANT COURSEWORK

Data Structures, Operating Systems, Algorithms, Database Management Systems, Software Development.

## SELECTED PUBLICATIONS

Vyas, A., Chawla, D. K. & Thakar, D. (2018). Dynamic Simulated Annealing for solving the Traveling Salesman Problem with Cooling Enhancer and Modified Acceptance Probability. *International Journal of Scientific and Research Publications*, 8(3), 213-220. doi:10.29322/IJSRP.8.3.2018.p7531