

# 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

**Software Engineering & Project Assistant Intern**, New York State Department of Health, Albany

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.

**Teaching Assistant**, RPI

- 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 ; Intermediate: Java, R

**Web Development:** HTML, CSS, PHP, JavaScript, jQuery, Ajax, JSP, Servlet, Angular.js, Node.js, React

**Operating Systems:** MacOS, Linux, Windows 10

**Cloud & Databases:** Amazon Web Services (AWS), MySQL, MongoDB

**Others:** Git, Android Studio, Jupyter, RStudio, Anaconda, Netbeans, opencv, numpy, pandas, sklearn

## SELECTED ACADEMIC PROJECTS

**The Stretch Goal Request Board for BD(Becton Dickinson)**

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.

**Analyzed and Predicted Movies Ratings from IMDb data**(<https://github.com/DashmeetKaur/IMDb-Data-Analysis>) Spring'19

- Achieved an accuracy of 83.9% for predicting ratings of a new movie from a 3GB of IMDb dataset using regression.

**Restaurants, Cuisine Recommendation & Feature Correlation by analyzing Yelp data**

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.

**Usability testing of EasyHTML Editor**

Fall'18

- Improved the usability of EasyHTML Editor: a website to learn HTML, by leading a team of 5 to do usability testing.

**Enhancing Algorithms for solving the Traveling Salesman Problem and Simulation**

Fall'17 - Spring'18

**of Best Path using a Robot**

- Enhanced Simulated Annealing & Genetic Algorithms to improve solutions for Traveling Salesman Problem by 5%

**Online Electoral System**

Spring'17

- Led the team of 4 people to build an electoral system using HTML, CSS, and javascript and MySQL.

## CERTIFICATIONS

- Ultimate AWS Certified Developer Associate 2020 - Stephane Mark, Udemy

Feb'20

- React Native and Redux Course - Stephen Grider - Udemy.

Jun'18

- Machine Learning , Stanford University - Coursera.

Nov'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