

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.

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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 of Best Path using a Robot

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.

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