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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.

Graduate 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),RPI — 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,RPI — Spring'19
- Achieved an accuracy of 83.9% for predicting ratings of a new movie from a 3GB of IMDb dataset using regression. **(**https://github.com/DashmeetKaur/IMDb-Data-Analysis**)**

Restaurants, Cuisine Recommendation & Feature Correlation by analyzing Yelp data,RPI — 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 boast restaurants' revenues.

Usability testing of EasyHTML Editor,RPI — 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.

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 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

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