Dashmeet Kaur Chawla

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OBJECTIVE

Seeking an internship/co-op for summer 2019 in the field of Data Science or Software Engineering

EDUCATION

Rensselaer Polytechnic Institute (RPI), Troy, New York (Expected) December 2019
Masters of Science in Information Technology(IT), GPA: 3.77/4.0
Course-work: Data Science, Business Issues for Engineers and Scientists, Foundations of Human-Computer Interaction usability, Data Analytics, Information Systems for Management, Applied Analytics and Predictive Modeling

Shri Govindram Seksaria Institute of Technology & Science, Indore, India May 2018
Bachelor of Engineering in Computer Engineering, CGPA: 8.24/10.0
Course-work: Data Structures, Computer Networks, Operating Systems, Algorithms, Internet & Web Technologies, Database Management Systems, Data Mining, Modern Information Retrieval, Artificial Intelligence, Information Security.

SKILLS

Operating Systems: MacOS, Linux

Programming Languages: Proficient: C,C++,SQL ; Intermediate: Java, Python, Octave, R

Web Designing: HTML, CSS, PHP, Javascript, JSP, Servlet

Software Skills: Github, Microsoft Office, Adobe Photoshop, Android Studio, WireShark, Spark, Splunk, Jupiter Notebook, Neo4j

ACADEMIC PROJECTS

The Stretch Goal Request Board for BD Spring'19
- Developing a stretch goal request board for BD using gasification elements for IT Capstone

Restaurants, Cuisine Recommendation & Feature Correlation by analyzing Yelp data Fall'18
- Derived a method to recommend new cuisines, restaurants to users by analysing 3GB of yelp data. Also, Found relevant features ,on the basis of ratings, that could boast restaurants' revenues.

Usability testing of EasyHTML Editor 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 Election Service Spring'17
- Designed a website that aided in college level election process to gain insight in front-end development.

Shipping System Fall'16
- Led a team of 4 to fulfil a shipping company's software requirements with the aim to understand the management of databases.

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

CERTIFICATIONS

- 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

TEACHING EXPERIENCE

- Teaching Assistant for Introduction to ITWS Course, RPI, Troy, NY. Students: 90 Fall'18 - Present
- Visiting faculty at Swati Jain College, Indore, India Spring'18
  Course: Internet & Web Technologies, Basic Computer Networks