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NAVYA DAHIYA

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Currently pursuing Masters of Data Science at University of British Columbia, Canada and would be graduating in June 2022. Proficient in Software engineering, Machine Learning and Data Science toolkit.

EDUCATION

Masters in Data Science, *University of British Columbia, Vancouver, Canada* — **Sep 21–Present**
Bachelors of Technology in Computer Science & Engineering, *Shiv Nadar University, India* — **Jul 15–May 19**

TECHNICAL EXPERIENCE

SOFTWARE ENGINEER 2 | Dell International Services, India — **Jul 19–Sep 21**
- Designed and developed an in-house performance testing tool from scratch that enables QAs to schedule load tests, identifies performance bottlenecks in Dell web applications, shares customized test reports via email and analyses the quality of the test, thereby reducing time consumed in operational overhead by 40%. The tool is used by 65% of engineering projects in Dell
- Led a team of 3 members and integrated the tool with CI/CD pipeline to determine performance bottlenecks before production stage, which reduced the number of production failures by 15% over the course of 18 months

BIG DATA INTERN | Birlasoft Pvt Ltd, India — **May 18–Jul 18**
- Performed Twitter Sentiment Analysis on FIFA World Cup tweets using Hive, Flume and Python
- Built a java library that is integrated in ETL pipelines across the team and is capable of migrating more than 1000 schemas from Oracle DB into a data warehouse (Hive) by bridging the gap between their schemas' data types

ACADEMIC PROJECTS

Rainfall Prediction | Cloud Computing | UBC, Canada — **Apr 22**
- Deployed Time Series model using Flask with Spark instance in AWS to predict daily rainfall in Sydney, Australia

MindtheGap | MindtheGapR | UBC, Canada — **Mar 22**
- Created interactive dashboards for analysing Gapminder dataset using Dash, python, R and deployed the apps on Heroku

Simplefit | Simplerfit | UBC, Canada — **Feb 22**
- Created Python and R packages which compare and analyse ML model's performance with baselines and returns EDA plots

Census Income Prediction | UBC, Canada — **Dec 21**
- Predicted annual income from census data having demographic features using RandomForestClassifier

ERP Data Mining and Analysis | Shiv Nadar University, India — **Nov 2018**
- Analyzed 6 years' university ERP data to help students make better decisions in opting elective courses and Minor degrees which are aligned with their interests and easy to score in

ACHIEVEMENTS

Women in Data Science Hackathon | Kaggle — **Mar 22**
- Ranked 1st in Vancouver and top 2% out of 829 (16/829) teams worldwide
- Used ensemble modelling along with PCA and clustering techniques to predict the building energy consumption

Bot Detection model | Dell AI/ML Hackathon, India — **Aug 19**
- Ranked 6th among 40 teams in Dell
- Used Naïve Bayes algorithm to classify the mouse movements as Bot or Human on Dell's home page, based on mouse mapping

Prediction of MSP for Farmers | Dell Recruitment Hackathon Drive — **Aug 18**
- Predicted Minimum Support Price for the Indian Farmers using Linear Regression(0.83 R2score) which resulted in a job offer by Dell International Services

SKILLS

Programming Languages	Python, R
Databases	MySQL, MongoDB, Postgres
Data Science	Machine Learning, Deep Learning, Time Series analysis, Data Visualization, Statistical inference
Cloud/Big Data	Hadoop, Hive, Spark, AWS

ONLINE CERTIFICATIONS

- Linear Algebra for Machine Learning - Data Science, Udemy — **Nov 22, 2020**
- NLP - Natural Language Processing with Python, Udemy — **Apr 27, 2020**

EXTRA CURRICULARS

- Volunteer of Content team in DataCan, a Women in Data Science community — **Dec 21–Present**
- Graduate Block 2 Representative, University of British Columbia, Vancouver — **Oct 21–Nov 21**
- Chairperson of Academic Affairs Committee, Shiv Nadar University, India — **Jan 19–Jan 20**