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**EDUCATION**

**University of Wisconsin-Madison**, Madison, WI Sep 2022 – Present

*Master of Science in Statistics and Data Science*, GPA 3.54/4.0

* **Relevant Coursework:** Text Analytics and Business Application, Selection Interface in Computational Genomics, Introduction to High performance computing, Data Science Practicum (Statistical Consulting), Statistical Data Visualization, Introduction to Deep Learning and Generative Models, Computing in Data Science and Statistics, Statistical Learning Theory, Statistical Methods, Statistical Inferences.

**ICFAI Foundation for Higher Education**, Hyderabad, India August 2018 – June 2022

*Bachelor of Technology in Computer Science Engineering*, GPA 9.25/10

**TECHNICAL SKILLS**

**Programming and Scripting Languages:** Python, R, Java, C, C++, Dart, SQL, HTML, CSS, JavaScript, Bash/Shell scripting

**Machine Learning:** Scikit-learn, TensorFlow, Keras

**Softwares/Frameworks:** Django, Tableau, Hadoop MapReduce, PySpark, PyTorch, Android Studio

**Data visualization and web development:** Shiny(R), D3.js

**INTERNSHIP/WORK EXPERIENCE**

**Center for European Studies**, Madison, WI Aug 2023 – Present

*Project Assistant*

* Analyzed decade-spanning fellowship receipts data using statistical methods and data visualization tools.
* Collaborated with divisions within the International Division to develop interactive data-driven applications aimed at enhancing marketing strategies.
* Assisted in website maintenance and updates, integrating data visualization elements with HTML/CSS and WordPress customization.
* Ensured accurate data compilation for research grant applications, employing data cleaning techniques and validation methods.

**Bidgala**, Montreal, Canada January 2022 – June 2023

*Student Intern*

* Collaborated on the development and maintenance of the company’s website with a primary focus on data science and analytics for 6 months.
* Implemented Lazy Loading for images, resulting in a 40% faster initial page load time.
* Developed and deployed a data-driven application using Pyscript and Django, enhancing customer engagement through personalized newsletters and analyzing user behavior for improved website performance.

**PROJECTS**

1. [**GreenEats: Navigating Top Vegan & Veggie Cuisine**](https://github.com/Sreeja1391/YelpDataAnalysis)**:**

* Created a Shiny application to recommend the best vegetarian and vegan dishes in Philadelphia, enhancing the food experience for plant-based enthusiasts.
* Employed Natural language processing (NLP) techniques, specifically leveraging the Named Entity Recognition (NER) method, to extract dishes from Yelp reviews. Integrated these insights into a Shiny app.

1. [**Visualizing Phylogeography of Frasera species**](https://github.com/Sreeja1391/Frasera_Project)**:**

* Contributed to an interactive dashboard supporting ongoing research utilizing shiny to effectively communicate the phylogeography and genetic differentiation of North American Frasera species.

1. [**Spotify Popularity Insights**](https://github.com/Sreeja1391/HPC_Project)**:**

* Explored the factors influencing the popularity of artists and tracks on Spotify, providing valuable insights for decision-making in the music industry.
* Conducted in-depth analysis utilizing parallel computing to observe the impact of audio features on song popularity.

1. [**Generalized Transfer Learning Pipeline on Pre-trained Image Datasets**](https://github.com/Sreeja1391/GeneralizedTransferLearningProject)**:**

* Developed a flexible pipeline for image classification, enabling efficient usage of pre-trained models.
* Implemented pipelines for VGG-16 and ResNet18 models, carefully observing the effects of freezing layers on model accuracy.