

SREEJA KODATI

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Education

University of Wisconsin-Madison

Sep 2022 – Present

Master's Degree in Statistics and Data Science

Madison, Wisconsin

- **Awards:** Graduate Scholarship for academic achievement.
- **Coursework:** Text Analytics and Business Application, Selection Interface in Computational Genomics, Introduction to High performance computing, Data Science Practicum (Statistical Consulting), Stastical Data Visualization, Introduction to Deep Learning and Generative Models, Computing in Data Science and Statistics, Statistical Learning Theory, Statistical Methods, Statistical Inferences.
- **Project Assistant:** Project Assistant: Ensured compliance and data accuracy for external research grants, including foreign grants, and organized diverse events.

ICFAI Foundation for Higher Education

Sep 2018 – Jun 2022

Bachelor's Degree in Computer Science Engineering

Hyderabad, India

- **Awards:** Merit-based scholarship for demonstrating exceptional academic performance throughout my undergraduate studies.

Experience

Bidgala

Jan 2022 – Jun 2022

Fullstack Developer Intern (Remote)

Montreal, Canada

- Used Pyscript and Django to develop and deploy data-driven applications, including a personalized newsletter and recently viewed section, to improve customer engagement and retention on the Bidgala web-application ("https://bidgala.com/").
- Conducted thorough data analysis and visualization using complex datasets to identify trends and patterns in user behavior and website performance.

Isthara Parks

Feb 2021 – May 2021

Flutter Developer Intern

Hyderabad, India

- Utilized Flutter widgets to design and implement user interface components for an e-commerce application while also integrating Firebase for the back-end and database of the application.

Yoursmentor (subsidiary of Paymatrix)

Sep 2020 – Jan 2021

Front-end Developer Intern

Hyderabad, India

- Provided front-end support and built user interfaces based on user requirements using HTML, CSS, and Javascript for web development, utilizing Visual Studio Code as an editor.

Ermin Automotive

May 2020 – Aug 2020

Android Developer Intern

Hyderabad, India

- Designed an Android application using Java, Android Studio, and Firebase. The application provides a social-media platform for students and professionals to share their technical projects.

Academic Projects

1. **Visualizing Phylogeography of Frasera species:** Collaborated with a PhD student to develop an interactive dashboard enabling visualization utilizing shiny to effectively communicate the phylogeography and genetic differentiation of North American Frasera species, enhancing accessibility and user understanding of complex research findings.
2. **GreenEats:Navigating Top Vegan & Veggie Cuisine:** Developed a user-friendly NLP application leveraging the "flair" library for Named Entity Recognition (NER) to extract meaningful lists of vegetarian dishes from Yelp reviews. Integrated results into a Shiny app, enhancing the exploration of vegetarian and vegan restaurants in Philadelphia.
3. **Spotify Popularity Insights:** Conducted in-depth artist/track popularity analysis utilizing parallel computing to observe the impact of audio features on song popularity, to get significant insights for enhanced decision-making in the music industry.
4. **Generalized Transfer Learning Pipeline on Pre-trained Image Datasets:** Implemented a generalized transfer learning pipeline for pre-trained image datasets, utilizing VGG-16 and ResNet18 to observe the effect of freezing layers on model accuracy and evaluating the generalizability of the pipeline across different datasets.

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, Android Studio, AutoCAD, Tableau, Hadoop, Spark, PyTorch

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

Leadership and Involvement Experience

1. **Vice president of the Paritantra Club:** Led an academic club focused on eco-friendly projects and social awareness campaigns to promote general health and well-being in remote areas.
2. **Core Committee Member of Institute's Innovation Council(IIC):** Contributed to the official innovation and incubation cell for IFHE, Hyderabad, hosting webinars and communicating with guests for events.
3. **Volunteer:** Coordinated with departments and teams to organize technical and cultural events at college, building collaborative and teamwork skills and giving back to the community.