Sindhu Priya Mallavarapu

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https://github.com/MSindhuPriya

Summary of Skills

- Software Design and Testing Experience at HIPPOS Inc
- Experience with Data Modeling, Statistical Analysis, and Data Cleaning in R, SQL, and Python
- Avid user of various programming languages and software such as:
  - Python, R, SQL, Git, GitHub, Agile Scrum, HTML, CSS, VS Code, PyCharm, RStudio
- Fluent in English, Telugu, Hindi, and conversational in Indian Sign Language

Work Experience

Freelance | Technological Consultant and Solutions Architect   **9/2020 – 1/2024**

Brampton, ON

- Devised realistic solutions that increased productivity by 20%.
- Cultivated positive rapport with clients to improve customer retention by 50%.
- Understood the technical needs and capabilities of the business and ensured they were met during implementation.

Reitman's Ltd | Sales Associate   **10/2022 – 12/2022**

Brampton, ON

- Managed all online orders and ensured 100% accuracy in fulfillment of requirements.
- Improved work efficiency by 50% by keeping up to date with all company policies and security practices.
- Resolved multiple customer complaints efficiently and courteously.

HIPPOS Inc |Computer Programmer and Interactive Media Designer   **9/2018-2/2019**

Brampton, ON

- Contributed to a collaborative team environment to meet demanding deadlines.
- Developed a personalized website for clients using HTML and CSS.
- Created effective blackbox and whitebox testing guidelines to improve workflow.

Education

University of Toronto, Bachelor of Science   **Expected Graduation: Nov 2024**

Available From: Aug 2024

Major: Statistics | Minor: Computer Science, Mathematics

Relevant Courses: Methods of Data Modeling, Machine Learning, Artificial Intelligence, Databases, Spatial Data Science, Spatial Databases

Google, Data Analytics Certification   **2023 - Present**

Professional Certification

Projects

Survey Response Classification (Machine Learning)

- Used an ensemble of Naïve Bayes, Decision Tress, and kNN models to accurately classify text and survey results.
- Split the training and validation data properly to ensure no data leakage.
- Used Google CoLab and Python Notebook to collaborate with others and document the process.

Analysis of Letter Frequency (Data Modeling and Visualization)

- Used linear models to analyze the occurrence of the letter "e" to aid linguist analysis of classical texts and the English language
- Collaborated with others using Git and GitHub.
- Created tables, graphs, and other visual aids in R and presented visualizations and models in a research paper using Quarto documents.