

SKILLS

- SQL
- Python (Pandas, NumPy, Seaborn, Matplotlib)
- Tableau
- Excel (VLookup, Conditional Formatting, Pivot Tables)
- R Programming (dplyr, shinny, ggplot, tm, tidyr)

PROJECTS (see more at <https://sriram-r.com>)

WEAPONS ANALYSIS IN THE LEGEND OF ZELDA: BOTW – Personal Project Jun 2023

- Utilized **Python** to conduct data analysis on the weapons, shields, and bows in The Legend of Zelda: Breath of the Wild video game.
- Utilized **pandas**, **NumPy**, **seaborn**, and **matplotlib** libraries to perform **descriptive statistics**, **correlation analysis**, and **comparative analysis**, revealing key variations with the strength and durability statistics in weapons, shields, and bows.
- Applied **Pareto optimization** to analyze over 100,000 combinations, leading to the identification of optimal weapon combinations for enhanced gameplay effectiveness.

EMPLOYEE ATTRITION EXERCISE – Personal Project Jan 2023

- Analyzed a dataset of 15,000 employee records using **R Studio** to gain insights into attrition patterns.
- Performed data cleaning, applied statistical techniques, and conducted in-depth exploratory analysis to identify key factors contributing to attrition.
- Developed data-driven insights and actionable recommendations to improve employee retention strategies.

CYCLISTIC BIKE SHARE CASE STUDY – Google Data Analytics Capstone Sep 2022

- Conducted a large-scale analysis on the records of nearly 6 million riders for Cyclistic, a bike sharing company.
- Leveraged **R Programming** and data manipulation techniques to extract valuable insights into user behavior and preferences.
- Utilized data visualization and statistical analysis to identify patterns and trends and proposed targeted marketing strategies to increase user conversion rates.

WORK EXPERIENCE

BED ALLOCATOR – Michael Garron Hospital – Toronto, ON Oct 2023 - Present

- Coordinate patient transfers, both living and deceased, across 15 hospital units comprising over 300 beds.
- Interface with Clinical Operations Manager and Patient Flow Team streamline patient movement.
- Oversee the transfer of deceased patients with sensitivity and attention to detail to funeral homes; ensuring process adheres to guidelines between hospital staff and funeral home courier.
- Maintain communication with unit Charge Nurses and managers, demonstrating adaptability in managing staff needs and competing tasks.

REGISTRATION CLERK – Michael Garron Hospital – Toronto, ON Jan 2022 - Present

- Process 100-150 patients daily by coordinating with Nurses, EMS, and Law Enforcement in a dynamic ER environment to oversee patient flow efficiently.
- Effectively prioritize and manage multiple competing tasks while communicating with relevant staff and patients.
- Conduct patient data collection, data cleaning, and produce charts with adherence to data ethics.

EDUCATION

BACHELOR OF TECHNOLOGY – McMaster University – Hamilton, ON June 2021

Majors: PLC programming (in-class & hands-on experience), General Electronics (SCADA, Digital Systems), Control Theory (PID control systems), and Business.