

Shreya Sriram

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Personal Website: <https://shreyasriram4.github.io>

WORK EXPERIENCE

HP Inc.

January 2023 – May 2023

Data Scientist Intern (Upcoming)

- Generate insights from data for deeper understanding of operational processes to produce recommendations
- Develop methodologies to optimize business processes through predictive analytics, real-time monitoring & data visualization

GovTech Singapore

July 2022 – December 2022

Data Scientist Intern

- Collaborated with Ministry of Communications and Information to facilitate their digital transformation
- Built and deployed a stateful multi-page web application that harnesses state-of-the-art Natural Language Processing algorithms to cluster and rank news articles with an accuracy of up to 90%
- Created a Power BI dashboard to provide at-a-glance insights on government-wide media campaigns

Saturday Kids

November 2021 – December 2021

Freelance Coding Instructor

- Educated groups of primary school children between ages 7-10 on coding using Scratch programming language

CrescoData

March 2021 – July 2021

Data Scientist Intern

- Leveraged Machine Learning to build a model that automates categorization of products from various client marketplaces into respective taxonomies
- Model saves tens of hours in clients' manual labelling procedures, with an accuracy of up to 75%
- Produced actionable reports based on customer data using Python and R to load products into destination platforms

EDUCATION

National University of Singapore

August 2019 – May 2023

BSc Data Science and Analytics, Minor in Economics

- Current CAP: 4.52/5
- Honors (Highest Distinction)
- Dean's List: AY 22/23 Semester 1

King's College London

January 2022 – June 2022

Study Abroad Program

- Participated in rigorous courses in Mathematics, Computer Science, Physics & Economics

Victoria Junior College

January 2017 – December 2018

- Achieved SINDA Academic Excellence Award for outstanding performance in GCE A' Levels (2018)

ACHIEVEMENTS

Kantar Hackathon for Food Nutrition

October 2021

Top 6 Teams

- Wireframed a data-backed mobile application that personalizes grocery recommendations to users based on food consumption habits, dietary needs and budget
- Harnessed tools such as Market Basket Analysis & Collaborative Filtering Recommendation Systems

NTUC Income Future-X Hackathon

August 2021

Top 8 Teams

- Wireframed a mobile application that promotes the digital transformation of NTUC Income's insurance protocol

SCDF x IBM Lifesavers' Innovation Challenge

July 2020

Fourth Place

- Proposed a mobile application that mobilizes IBM Cloud technology & Geospatial Analytics to improve SCDF's life-saving technologies

EXTRACURRICULAR ACTIVITIES

NUS Statistics & Data Science Society

July 2020 – May 2022

Publicity & Workshops Facilitator

- Prepared and hosted hands-on workshops in data cleaning & visualization using Python & Tableau for over 70 participants
- Generated content in relation to statistics and data science for societal website

Tembusu College Karaoke Club

August 2020 – May 2021

Founder and President

- Established an open club for students to freely express themselves through music

Tembusu College House Committee

August 2019 – January 2021

Member

- Co-organized weekly events to facilitate cohesive bonding amongst 150 house members

PROJECTS

Modelling Genomic Data

August 2022 – November 2022

- <https://shreyasriram4.github.io/genomics-project>
- Developed an XGBoost model to predict m6A modification site points within long-read RNA sequences
- Predicted m6A modification sites along 5 human cancer cell lines
- Catalyzed computational processes involving Big Data using AWS Cloud Computing

IBM Employee Attrition Project

August 2021 – October 2022

- <https://shreyasriram4.github.io/employee-attrition>
- Leveraged data analytics tools & predictive machine learning algorithms to predict employee attrition & identify key factors influencing employee attrition

CERTIFICATIONS

[SQL for Data Science](#)

December 2020

[Tableau 2020: A-Z Hands-On Tableau Training for Data Science](#)

July 2020

[HTML, CSS, and JavaScript for Web Developers](#)

July 2020

SKILLS

Programming Languages/Tools: Python, R, SQL, MATLAB, HTML, CSS, Tableau, Power BI

Machine Learning: Supervised Learning, Unsupervised Learning, Natural Language Processing, Time Series Analysis, Regression Analysis

Data Science Skills: Data Science Pipeline (cleaning, mining, visualization, modelling, interpretation), Git

Soft Skills: Problem-Solving, Leadership, Communication, Project Management, Agile

Working On: Big Data, Data Engineering, Cloud Computing, Machine Learning Operations, Web Development, Computer Vision