Nisha Ramdeep

Austin, TX • Email: nisharamdeep@gmail.com • Github: https://github.com/nisharamdeep

EDUCATION

The University of Texas at Austin; Masters of Science, Data Science **Aug. 2021 - Present**

- Currently enrolled in Principles of Machine Learning and Probability & Simulation-Based Statistics

The University of Texas at Austin; Bachelor of Science & Arts in Biochemistry **Grad. May 2020**

- GPA: 3.88/4.0, graduated in top 20% of College of Natural Sciences
- Excelled in coursework related to biochemistry, statistics, and data science

EXPERIENCE

Ascension Seton Medical Center Austin - Clinical Lab Assistant (Pathology) **Oct. 2020 - Present**

- Order and bill for further testing from outside labs such as NeoGenomics and Mayo.

Robin Healthcare - Lead Medical Scribe **Aug. 2020 - Oct. 2020**

- Scribed for multiple doctors with different specialities using different EMRs.

RELEVANT COURSEWORK

Machine Learning (In Progress)

- Foundational computational and statistical learning theory including mathematical aspects of various algorithms
- Use of Python to apply various algorithms

Probability and Simulation-Based Statistics (In Progress)

- Fundamentals of probability and statistics through both theory and simulation

Probability and Statistics (Grade:A)

- Gained thorough understanding of probability theory and statistical methods

CODING SKILLS/PROGRAMMING LANGUAGES (Python, SQL, R)

Python

- Data 8.1X: Computational Thinking with Python from the University of California, Berkeley through edX (Certificate earned)
  - Analyzed and visualized data and constructed graphics using Python
- Data 8.2X: Inferential Thinking through Simulations from the University of California, Berkeley through edX (Certificate earned)
  - Tested hypotheses (including A/B testing), performed simulations with random sampling
- Data 8.3X: Machine Learning and Predictions from the University of California, Berkeley through edX (Certificate earned)
  - Employed 'Nearest Neighbor' analysis
- Computational Biology and Bioinformatics
  - Used Python to parse through data using the RegEx functions

SQL

- Databases: Relational Databases and SQL from Stanford University through edX (Certificate earned)
  - 'Select', 'Join' functions as well as 'Update', 'Delete', and 'Insert' functions.
- Databases: Advanced Topics in SQL from Stanford University through edX (Certificate earned)
  - Studied Indexing, Transactions, Updateable Views, and Database Authorizations
- Databases: OLAP and Recursion from Stanford University through edX (Certificate earned)
  - Practice with OLAP and Recursive 'With' Statements

R Programming

- Computational Biology and Bioinformatics (Significant use of R, Grade:A)
  - Used R to analyze data using techniques like data wrangling, k-means clustering, MANOVA, Principal Component Analysis, bootstrapping, regression, constructing graphics, and building a website using blogdown and hugo.
- Biostatistics (Significant use of R, Grade:A)
  - Used R to understand probability distributions, visualize datasets, conduct hypothesis testing, perform regression analyses, and weight data appropriately.