

Milan Prabhu

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Summary

I received a Bachelor of Science in Neuroscience from the University of California, Riverside, in June 2023, and I am currently pursuing the degree of Master of Science in Data Science at the University of Pittsburgh. My goal is to leverage my unique background to work in machine learning, neural networking, and/or artificial intelligence. Currently, I am looking for an intern position to develop my skills further in the area of data science or any related project. I am a quick learner and hard worker, and believe my background and skills are ideally suited for a career in data science, where I am eager to contribute to the field.

Personal Projects

UPitt Athletics ticket purchases dataset analysis

- Conducted comprehensive EDA to uncover trends and patterns in ticket renewal behavior, visualized correlations, and identified data inconsistencies, laying the groundwork for feature engineering.
- Utilized SQL for data extraction, preprocessing, and feature engineering, employing complex queries to derive features, filter datasets, and aggregate historical ticket purchase data.
- Built Python-based predictive models with libraries like Pandas and Scikit-learn to assess season ticket holders' likelihood of renewing, leveraging insights from SQL-derived features and EDA to optimize accuracy.
- Identified crucial predictors to inform strategic decision-making, contributing actionable insights for marketing and retention efforts.

Skills & Interests

Data Cleaning	Scikit-Learn	Matplotlib
Machine Learning	Data Analysis & Visualization	SQL
Stats Modeling	Python	EDA
C++	Microsoft Office (Word, Excel)	NumPy
		Pandas

- Interested in leveraging data science for applications in artificial intelligence, machine learning, and predictive analytics, with a focus on uncovering actionable insights from complex datasets.

- Enthusiastic about using data science to address real-world challenges, including predictive modeling, optimization, and trend analysis in diverse domains such as sports, healthcare, and finance.

Education

University of Pittsburgh

May 2024 - Present

Masters of Data Science (MDS)

- Graduate Student, Master of Science (MS), Data Science (2 year program)
- Learned essential skills using Python and utilizing libraries such as Pandas, NumPy and developed skills in exploratory data analysis (EDA) to uncover patterns and insights from complex datasets.
- Proficient in Python programming, including data manipulation with NumPy and Pandas, data visualization with Matplotlib and Seaborn, machine learning with Scikit-Learn, and SQL for database management.
- Additional coursework planned: Applied Predictive Modeling, Deep Learning, and Managing, Querying, and Preserving Data.
- Skilled in cleaning, transforming, and preprocessing raw data to prepare it for advanced analysis and modeling tasks.

NYU Tandon Bridge Computer Science

July 2024 - December 2024

- Bridge to Masters program in the fundamentals of Computer Science designed for Neuroscience majors.
- Learned a variety of intricate topics in C++ such as Data Structures and Algorithms, Object Oriented Programming, Discrete Math topics and Binary Search Trees.
- Applying coding proficiency to real-world scenarios, particularly in Python, for hands-on experience in Data Science.

University of California, Riverside

September 2019 - June 2023

- Bachelor of Science in Neuroscience
- Member, National Society of Leadership and Success (NSLS 2021)

Emergency Medical Technician (EMT)

November 2021 - November 2023

- Certified EMT Specialist
- CPR and BLS trained

Work Experience

University of California Riverside Student Recreation Center

June 2022 - June 2023

- Ropes Course Facilitator
- Interacted with people and groups of all ages and encouraged them to go out of their comfort zone to experience something new
- Conducted administrative duties, including coordinating and planning both in-house and external events, while managing multiple activities and tracking funding.

Private Medical Practice Intern**September 2022 - June 2023**

- Interacted with patients by taking vital signs such as blood pressure, heart rate, and temperature
- Made various phone calls to patients and pharmacy's
- Organized important documents on the computer and worked closely with the physician to complete tasks in a timely matter
- Performed data entry tasks and collaborated with QuestHealth to efficiently process and order lab tests for patients.

Western University of Health Sciences**June 2018 - November 2018**

- Research Assistant - Summer Internship
- Created novel tablet formulations under the supervision of a Principal Investigator (PI).
- Observed and participated in research techniques, procedures, and tests.
- Gathered, arranged, and collated research data to create representative graphs and charts highlighting results for presentations.
- The research was presented at the American Association of Pharmaceutical Scientists (AAPS) 2018 annual conference in Washington D.C. Title of the project: "Formulation and In vitro Evaluation of Dronedarone HCl Ternary Mixture Formulations"