Rishi Cadambe

https://theindexx.github.io

Email : cadambe@utexas.edu

Mobile : +1-469-810-5015

EDUCATION

- **The University of Texas at Austin** — Austin, TX
  Bachelor of Science in Statistics and Data Science; GPA: 4.00 — *Freshman*
- **Relevant Coursework**: Matrices and Matrix Calculations, Multi-variable Calculus, Probability I, Statistical Thinking

EXPERIENCE

- **Roc360** — New York, NY
  Incoming Quant Analyst/Data Science Intern — *June 2023 - Aug. 2023*

- **UT Quantum Collective** — Austin, TX
  Director — *Aug. 2022 - Dec. 2022*
  - **Outreach**: Driving strategic vision of partnership relations for impactful and long-term community programs and defined key metrics and goals for collaborations to guide organizational growth outcomes.
  - **Communication**: Manage and effectively communicate on multiple stakeholder agreements with key partners.
  - **Fall Fest Event**: Lead on outreach campaigns for Qiskit Fall Fest, establishing strong network of industry relations with companies like Microsoft Azure, Strangeworks, Womanium, and ColdQuanta.

- **Biodock Inc.** — Remote
  SWE Internship — *June 2021 - Aug. 2021*
  - **Amazon Web Services**: Created Background Windows Service for synchronizing user S3 buckets with local file storage in real time via S3 REST API.
  - **UI + Backend Development**: Created a responsive desktop application using Python TKinter API, connected back-end and front-end code for efficient workflow.

- **Miami University** — Remote
  Research Assistant — *Dec. 2020 - June 2021*
  - **Light Propagation Through Turbid Media**: Used MatLab to simulate light propagation through turbid media, used polarization to determine properties of medium.
  - **Simulation parser**: Developed series of Python/Javascript files to work together to efficiently parse a large volume of simulation files, used by a team of graduate students.

PROJECTS

- **NBA Sports Betting Models** — https://github.com/TheIndexx/Sports-Betting
  Python/Selenium/Pandas
  - **Arbitrage Detector**: Scraped live moneyline odds in real time with Selenium across multiple sportsbooks and ran through arbitrage detector script to exploit variances in odds across sportsbooks.
  - **Machine Learning**: Scraped dataset from SDQL and NBA stats website. Implemented XGBoost Regression Model to predict total points scored in a game for Over/Under odds, and Support Vector Machine to predict which team would win (5% ROI, backtested over 2020 season).

- **Webpage Analytics Consultant**
  Google Search Console/Google Analytics
  - **Google Analytics**: Volunteered at local nonprofits to increase website traffic by almost 30% with Google Analytics, Search Console, and other site analytics tools.
  - **Marketing Campaigns**: Compared past marketing campaigns, identified target demographic and created action plan for driving more users to site.
  - **Nonprofits**: Organizations included Girls Inc-Dallas, Alliance Francaise, and A Different Breed.

SKILLS

- **Languages**: Proficient: Python, R, HTML/CSS — Adequate: Javascript, Qiskit
- **Mathematics**: Calculus, Time Series, Probability, Matrices, Statistics
- **Interests**: 2020 DECA Team Entrepreneurship State Winner/ICDC Qualifier (Business Comp.); 2022 Cyberpatriots Gold State (Cybersecurity Comp.); Recreational Fencing and Racquetball