Rishi Heggawadi

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EDUCATION

Binghamton University   Vestal, NY
Bachelor of Science in Financial Economics, Minor in Data Science

RELEVANT COURSEWORK

- Intro to Econometrics
- Linear Algebra
- Game Theory
- Intro to Deep Learning
- Database Fundamentals
- Data Analysis in Economics

EXPERIENCE

Data Engineer and Analyst Intern   Dec. 2024 - Present
CRE Streamline Inc.   *Houston, TX (Remote)*
- Streamlined research and valuation team operations through process automation in Python
- Manage and clean complex datasets, ensuring accurate data for analysis

Research Assistant   Aug. 2024 - Present
DReaM Lab at Binghamton University   *Vestal, NY*
- Perform data transformation and analysis with Python, supporting research on naturalistic decision-making
- Manage and maintain databases to ensure data integrity and accessibility for ongoing research

Undergraduate Course Assistant   Aug. 2023 – Present
Binghamton Codes! at Binghamton University   *Vestal, NY*
- Serve as an Undergraduate Course Assistant for HARP 150 (Intro to Coding) and HARP 151 (Coding in Action)
- Leverage experience in Web scraping, Web development, APIs and Machine Learning to instruct 60+ students in the creation of their own personal projects
- Facilitate student learning through weekly office hours and ensured timely, accurate grading of assignments

Product Management Intern   June 2021 – Aug. 2021
Nao Medical   *Williston Park, NY*
- Designed comprehensive wireframes using Figma, implemented across 10+ strategic locations in New York State
- Utilized Tableau to track KPIs, informing strategic decisions that increased user retention by 10%

PROJECTS

Computational Analysis of Choice Dilemma | *LLM, Sentiment Analysis, pandas*
- Leveraged large language models (LLMs) to extract and analyze hundreds of choice attributes from 6,000+ textual descriptions of real-life choice dilemmas
- Utilized cosine similarity to measure semantic relationships between attributes, showcasing how LLM-based structure extraction can uncover insights into human behavior

Handwritten Equation Solver | *Deep Learning, Computer Vision, PyTorch, tkinter, Pillow*
- Trained a Convolutional Neural Network (CNN) on datasets containing handwritten digits and operators to classify and parse mathematical expressions, achieving an error rate of 0.0019
- Developed an interactive User Interface to capture handwritten equations, process predictions, and render computed results in real-time

TECHNICAL SKILLS, INTERESTS, EXTRACURRICULARS

Coding Skills: Python(Pandas, Numpy, PyTorch, fast.ai), R (dplyr, ggplot2), Webscraping (BeautifulSoup4, Selenium), Machine Learning, APIs, Databases(postgresql), SQL, HTML/CSS
Tools: Github, Jupyter Notebook, R Studio, VS Code, Excel, Tableau, MS Word, PowerPoint
Organizations: Alpha Kappa Psi Professional Co-Ed Business Fraternity, HACKBU, Bing Bouldering & Climbing
Academic Interests: Data Science, AI, Linear Algebra, Nutritional Neuroscience, Decision Making, Philosophy
Personal Interests: Gaming, Cooking, Exercise, Fishing, Reading