

Farris Rizwan

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Personal Projects

NBA FaceOff

This app takes statistics of two NBA players and generates a score to quantify their skill level

- Designed and implemented a user-friendly front-end using HTML, CSS, and JavaScript, enabling seamless data input and visualization. Used Flask, a Python website framework backend that can handle user requests.
- Developed web scraping scripts using Selenium, Beautiful Soup, and Requests to gather player statistics and championship data from nba.com and Basketball Reference.
- Optimized data retrieval speed by caching the information of players whose data has already been generated using web scraping techniques in JSON and CSV files, reducing unnecessary web scraping.
- Efficiently managed and prepared data using the Pandas library. This data would then be used in a robust scoring algorithm that evaluates NBA players using various statistical metrics.

StockScrape

This app parses and displays financial data of government officials as well as helps create a training strategy for users.

- Implemented web scraper using Python Beautiful Soup and computer vision and AI(CV) to read official government reports using Tesseract-ocr. Deployed scraper in google cloud run as a docker container.
- Used a firebase real-time database to store scraped information and update users with new data within milliseconds after data was published.
- Designed a front-end with React.js, next.js, and chakra UI to display graphs generated by D3.js in a responsive dashboard.

Education

Texas A&M University at College Station

Graduation Year: 2025

Major: Computer Science

GPA: 3.6/4.0

Relevant Coursework:

- Intro to coding in Python, Intro to Program Design and Concepts, Discrete Math, Data Structures and Algorithms, Computer Architecture, Software Engineering, Analysis of Algorithms

Clubs

- Aggie Coding Club, Tidal TAMU, Aggie Competitive Programming Club

Work Experience

- Customer Service Representative, Randall's Dec 2021 – July 2023
- Basketball Coach/Referee, YMCA Nov 2019 – May 2021

Skills and Links

▪ Technical Skills:

- Languages: C++, Python, Java, JavaScript, HTML/CSS
- Frameworks/Libraries: React, AWS, Beautiful Soup, Selenium, Flask, NBA API

▪ Links:

- **GitHub:** <https://github.com/fr713>
- **Personal Website:** <https://fr713.github.io>

