ESHAN IYER

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SUMMARY

- Built a Fake News Detection program using TensorFlow/Keras and Sci-kit Learn libraries during the UT Dallas AI Bootcamp in the Summer of 2021. This project focused on Natural Language Processing (NLP) and analyzing news headlines to return a binary value of the validity of that headline
- Has full knowledge of Python and its libraries, especially those about data science, and sufficient knowledge of Java and HTML.
- Can take the role of a leader and use leadership skills to lead a team to deliver a project successfully
- Experienced in deploying applications and websites, including my website eshaniyer.tech
- Strong entrepreneurial skills from multiple startups

SKILLS

- **APIs and Microservices**
- **Big Data / Machine Learning**
- **Python**
- **TensorFlow/Sci-kit Learn**
- **Web, HTML, CSS & Flask**
- **Markdown**
- **Java**
- **Effective Communicator**
- **Startup and Entrepreneurial Experience**
- **Business Plan**
- **Financial Management**
- **Leadership**

KEY PROJECTS

AI - Fake News Detection: August 2021 (Link)

This project utilized a machine-learning model that uses natural language processing to identify whether a headline or text is true or false. This model was created using the Scikit-Learn library to create a machine learning model that used the Multinomial Naïve Bayes algorithm, which produced 90% accuracy on input data. Finally, this project leveraged the Beautiful Soup library to scrape text from popular fact-checking websites to verify the algorithm's results.

Water Usage Analyzer: October 2021 (Link)

This web app helps combat the problem of wasteful water usage by creating a heatmap of places with high water use. I used the Flask framework, which used HTML for the front end and Python for the back end. An HTML form took inputted data and placed it into an SQLite database. As a result of my efforts, my project placed third in a large pool of contestants.

Automobile E-Commerce Marketplace: October 2021 (Link)

I created an automotive e-commerce digital channel using HTML, CSS, and Markdown. The Jekyll framework created a dynamic and visually built an adaptive client UX experience that effectively displayed the dealership's inventory and provided a simple interface to purchase a car. Led a team of coders and collaborated with partner team members to deliver a high-quality product by the deadline.

Course Grade Change Notifier: October 2021 (Link)

I used the Beautiful Soup and *lxml* Python libraries, integrated with the grade application leveraging student credential to provide a single sign on. After the *lxml* library logged the current session into the portal, the Beautiful Soup library parsed through the HTML elements of the grade portal and stored the result in a variable. Utilized the Plyer library to send a desktop notification detailing whether a change in the user's grades occurred.

Entrepreneurship Project – Kulfi Kream: October 2019 (Link)

Created a company that made premium, traditional, allergy-free desserts. Gained an investment from the investor panel after the Young Entrepreneurs Academy and maintained the business for several years. Utilized Search Engine Optimization and Google Business Profile to market my company to the world.

CREDENTIALS

Junior at Frisco High, Frisco, TX (Aug 2020 – Exp. Graduation: May 2024)

- **Current GPA: 3.98**
- **Leader in Academic Decathlon/Octathlon**
- **Leader in Computer Science Club**
- **Coding competitions and Hackathons at Frisco High School**
- **Participated in UT Dallas' Battle of the Brains from 2021 onwards**
- **Flute player in the Frisco High School Marching Band**
- **Part of the National Honors Society ('22-Present)**
- **Volunteers regularly for local nonprofits**
- **Successfully secured a spot at the regional Business Professionals of America competition, progressing to the state competition in the areas of technology and software development.**

Teaching Assistant at Kumon, Frisco, TX - Since Aug 2021

UT Dallas – Artificial Intelligence Student – Jun 2021 – Aug 2021