3 Pitches Polished Final versions (4 total)

Pitch 1

Find a database called BioPharmGuy that involves heavy research and allows for questions. This research raises a few questions, Where can this be used? What companies would benefit from this program? How fast/efficient can this program (Tableau) be in rendering location/company? How accurate will it be when narrowing down the search for the location of the company? The data in the database (BioPharmGuy) involves Business Types, Regions, and Start-up Years of Pharmaceutical companies. I would extract the specific data and organize it in Excel and then create a table/chart of the extracted and organized data and upload it to Tableau. Tableau is a visualization software and I will improve on specific areas of the program/database that may be needed. Create geographical regions and build software for locating pharmaceutical types/companies quickly and efficiently. I will also create a search box for quick searching desired location, company, or business type. This will allow for quick decision-making for what company to buy, visit, and know what companies are in a certain area. The ultimate goal is to create a software/program for my future company to use for their benefit and others as well.

Pitch 2
(Not sure if I'm going to follow through with this but keeping it here)

After researching more into Ukraine and the wars that were occurring, I wanted to do something about it. Since learning about Ukraine, they have lived heavily in an AI warfare. I will use a cyber security tool called Logistash and use it for log scanning to store the data that will be scanned. I will digitally be able to scan monuments or structures and help restore lost damages. While doing this, I will be able to view the Ukraine wars both before and during. Another benefit of using this scanning tool, it will allow for facial recognition and for uncovering dead soldiers and unveiling Russian assailants. This can help show who is alive or dead and report back to their families and camp. A few questions arise when thinking about this, How accurate will it be? How long will it take to scan? Who else will this benefit?

Pitch 3

I will start by finding a database that involves a list of professional teams, athletes, and coaches. This may be a difficult task to handle, however, when thinking

about this idea some more, I believe I can take data from professional teams' websites and stash the data in a library. All athletes in high school through professional players have pictures. This library will store the desired data from all professional athletes from a plethora of teams. I will start at a small scale and something that may be more manageable to work with and start with one team. I may need to do some manual work by web-scraping images of faces for the camera to pick up the athlete in a jersey, normal clothes, and or when hanging around friends. I will create an app and or build off of one that is already created by using Studio, Android, or IOS that can access your phone camera. With the camera, you will be able to scan professional athletes and be able to view their names, stats, rank, tournament standing, team history, etc. The idea is just like when a phone scans a QR code and it takes you to a website. Similarly, when a player is scanned, either by facial recognition, number recognition, or having a QR code on the player's jersey; it will have a dropdown window to take the user to a page of the info on the player and their team. This window will be accessible for the user to interact with and view what they want to see. This tool can be beneficial to many who don't know much about sports or the players on the field and want to know information on a player quickly and learn about their team history, coaches, teammates, stats, etc.

Pitch 4

My goal is to create a music recommendation system using AI. I will begin by gathering a large set of data of music-related information. This could include data on songs, artists, user preferences, playlists, and user interactions (e.g., likes, skips, ratings) from streaming platforms or music databases. APIs from platforms like Spotify, Last.fm, or user-contributed data sets like the Million Song Dataset can be valuable sources. I will clean up the data by handling missing values, removing duplicates, and ensuring data consistency. Convert data into a format suitable for machine learning, such as numerical representations or embeddings for songs and users. I will then extract relevant features from the data to describe songs and users. Features could include genres, tempo, artist popularity, user listening history, and more. I will then build a recommendation model using several techniques including collaborative filtering, content-based filtering, matrix factorization, and deep learning. I will then train my recommendation model/algorithm using historical user interactions with songs. I then will split my data into training, validation, and test sets to evaluate model performance. I will then measure and evaluate the performance using metrics like Mean Absolute Error (MAE), Root Mean Squared Error (RMSE), or precision-recall metrics. Once it starts performing well, implement it into a platform. I will then create a user-friendly interface. I can have a collection system to store feedback and have improvements as an option.

Lastly, make sure the user's data is handled securely and privacy concerns are addressed.