CodeForGood - Team 11

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Problem Statement

- ► For CodeForGood, we wanted to focus on using data to bring a new level of engagement to improve the graduating rate of the Debt Management Program for Apprisen
- We created a simple web app that allows a user to easily upload their bank statements to allow for greater insight on their monthly spending's all in one accessible location

So Why Does It Matter?

- This data allows for automated triggers when unnecessary or over-spending occurs to allow Apprisen to reach out to the user creating a more engaging and trusting relationship
- More consistent and detailed data allows for further insight to why they need financial help creating a new perspective on how to motivate the user

Impact Diagram

Bank Statement Data



Find where the user is spending their money

Get notified if the user is overspending on non necessity items

Find a users spending habits with shopping reoccurrences



More engagement



Automatically reach out to users to set up a meeting if they are not bugeting correctly

Have access to more personalize data with high-level insights to allow for better budgeting

So How'd We Do It?



Pandas: Used for Data Preprocessing & Analytics



Python: Used with Flask for our Backend



SQL: Used to Create our Fully Functional Database and User System



CanvasJs: Used for data visualization



React: Used for our beautiful web-app

Looking Forward

- Implementing the fully featured trigger and alert system to get the maximum user engagement
- Create a classification model to get the most impactful insights out of the bank statement data



Thank you for all the Fun! #CodeForGood