INTRODUCTION

Goal Statement:

IoT devices are designed and created with privacy as a second thought. The purpose of this project was to demonstrate that IoT devices such as voice assistants like Alexa, track and share user information with third party companies.

Uncovering where user information is being shared can bring awareness to the negligence of privacy in IoT devices and hopefully demand IoT companies to start making privacy a priority.

Skills Developed and Purpose

- http.server: transferred files from the raspberry pi to our own computers using the command line
- Script writing: helped run a command multiple times for different input files
- PrettyPrint Library: represented table more neatly in jupyter notebook

Mycroft Dating Skills:

- Laugh
- Sing
- NPR news
- Weather
- Joke
- Movies finder
- Restaurants finder

Impact:

- Virtual assistant as a friend
- Mutual trust and privacy

Future Innovation:

- Create skills that could help someone practice dating scenarios.

ACKNOWLEDGEMENTS

We’d like to thank everyone from ProperData, our coaches, our classmates, and our families for making our participation in this program possible and allowing us to get exposed to linux, graduate school, privacy, IoT devices, collecting domains from ads, and checking them against block lists.