

# Unveiling the Veil: An Inquiry into the Mechanisms and Privacy Implications of IoT Devices

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## I. ABSTRACT

The rise of Internet of Things (IoT) devices, like smart thermostats and fridges, brings along the need to understand how they work, especially when it comes to our personal data privacy. This paper looks into the technical side of how these devices operate, and explores the ways in which Internet Service Providers (ISPs) could potentially access and misuse our data. Additionally, it investigates how the data collected from our interactions with these devices can be used to create personalized online experiences. By reviewing existing studies and technical guides, this paper aims to shed light on the workings of IoT devices and suggests possible solutions to protect our privacy.

**Index Terms**—Internet of Things, Data Privacy, ISP, Personalized Algorithms, User Data

## II. INTRODUCTION

## III. CITATIONS

## REFERENCES

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