

College of Informatics and Computing Sciences**2 REVIEW OF RELATED STUDIES**

The literature review in this chapter serves a critical role in establishing the context for our research. Its purpose is to offer a comprehensive understanding of existing research and theories. By doing so, it provides the necessary background for your study and helps readers grasp the significance of your research within the broader academic landscape.

Example:

This literature review is designed to create a solid foundation for our research on online data privacy and security. It will critically examine previous studies, theoretical frameworks, and key concepts related to this field, equipping readers with the knowledge needed to understand the context and importance of our research.

2.1 Technical Background

A technical background provides a foundation for understanding and interpreting research findings. It often involves established theories or models that help explain and predict phenomena in the field of study.

Example:

Privacy Calculus

"The 'privacy calculus' model, as proposed by (Culnan and Bies, 2021), is a pivotal theoretical framework in this research. This model posits that individuals make decisions about sharing personal information online based on their perceived benefits and risks. It takes into account factors such as trust, perceived control, and the value of the information being shared."

In-depth discussion of the technical aspects or concepts that are important in the development of the project.

The technical aspects are not limited to the software programming or tools used, but it is about the concepts and methodology used that contribute to the successful completion of the project.

Do not forget to cite all statements of facts, main ideas/trends, equations, findings, etc. Use APA format for the citation. Use a topical outline. In your style of discussion, be sure to adopt a storyline. Do not forget to cite all statements of facts, main ideas/trends, equations, findings, etc. Use APA format for the citation. As much as possible, use most recent journal articles. Wikipedia is not allowed.

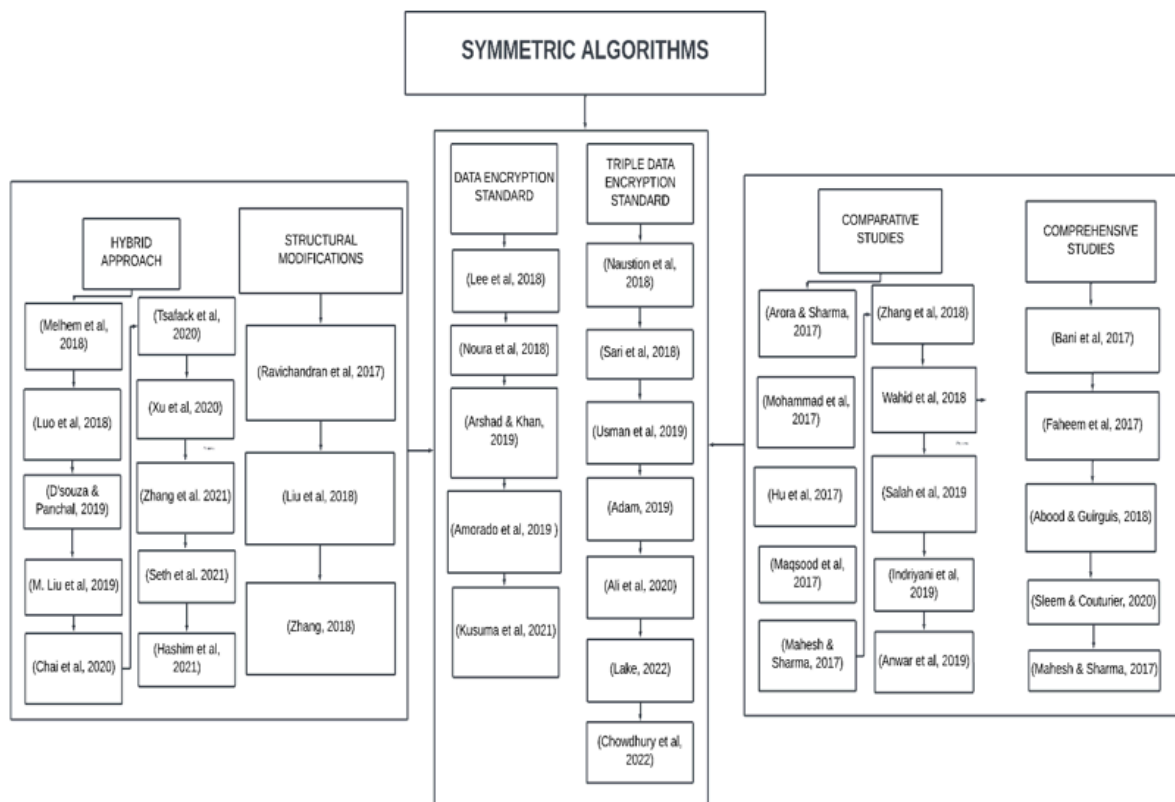


College of Informatics and Computing Sciences

Literature Map

A literature map provides a visual representation of the major themes and subtopics within the existing literature. It helps organize the vast body of research into a structured framework, making it easier for researchers to navigate and identify key areas of interest.

Figure 1
Literature Review Map



2.2 Related Studies

Related literature, in the context of academic research, refers to previously published and peer-reviewed works, such as academic papers and other scholarly materials. These sources are considered credible and reliable references for research purposes. Unpublished or non-peer-reviewed materials, such as personal blogs or unpublished manuscripts, are generally **not included** in the category of related literature when citing sources for academic research. Researchers rely on published studies to ensure the quality and validity of the information they use to support their work."

Hybrid Approach

Based on the study of (Xu, et.al, 2020), _____

(Provide Synthesis for every subtopic)

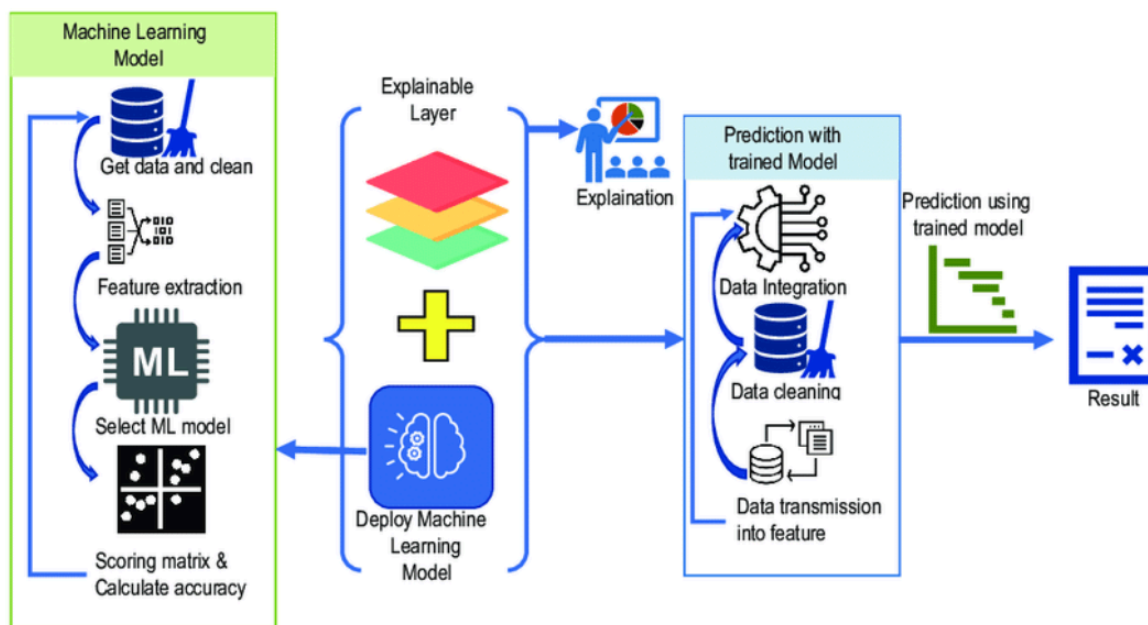


College of Informatics and Computing Sciences

Discuss the **similarity** of your proposed study against the related studies. Discuss what **innovation/new concepts** in your study will be proposed in relation to the topic. Enhancement, modification, additional feature.

2.3 Conceptual Framework

A conceptual framework, while related to the theoretical framework, is more specific to the research at hand. It outlines the key variables, relationships, and concepts that will guide the study.



A conceptual framework Machine Learning model with explainability.

Example:

With the rapid growth of the Internet of Healthcare Things, a massive amount of data is generated by a broad variety of medical devices. Because of the complex relationship in large-scale healthcare data, researchers who bring a revolution in the healthcare industry embrace Artificial Intelligence (AI).

