

# Review of: "Can ChatGPT code the technical part of a Bachelor's Thesis in Informatics?"

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**Potential competing interests:** No potential competing interests to declare.

Having gone through the read, it is brought to my attention that the paper hasn't really been meticulous even though this is a critical issue about a secure chat application that has end-to-end encryption. A plethora of literature has been examined from different aspects, but it all looks so much like an essay.

To increase the quality and impact on the academic community, it is advised to restructure this work as a review paper. Literature reviews tend to carry out a detailed review of all available research on a certain area, examine different theories, and analyze data with the ultimate goal of bringing forth new points of view or understanding of the topic.

The paper will have different sections like Introduction, Background and Significance, Cryptography Algorithms, Key Exchange Procedures, Security Matters, Implementation Recommendations, Case Studies and Practical Applications, Approaches for the Future, and Conclusion. The paper should cover every item carefully and in the same order as on the class syllabus, supporting any research findings with a substantial number of references from reliable sources in the discipline.

To exemplify, the Enrollment section of the paper should encompass protocols such as the Signal Protocol and OMEMO and discuss the underlying principles, security aspects, and the comparative assessment in detail. In this outline, it is advisable to use studies and articles with authoritative references to support your analysis.

Similarly, in the 'Implementation Details' chapter, the paper should address the level of programming languages, frameworks, encryption libraries, database management techniques, and user identity verification in detail. Careful use of concrete examples, case studies, and contrasts between the various implementation strategies can be the key to creating smoother components.

Moreover, an in-depth analysis of the pros and cons of each method will take place, emphasizing how they relate to the opportunities and risks, costs and benefits of implementing them on a practical level. Therefore, in this work, it will be imperative to undertake a critical analysis informed by the literature and where possible backed with empirical evidence.

Finally, the need to reform the present work as a review paper is merited, while one enriches the context with in-depth analysis and an adequate number of references, which is critical to the development of the academic value of the work and to contribute meaningfully to the discussion concerning secure chat applications and end-to-end encryption.

