Construção de um Modelo de Desenvolvimento/Geração de Código com IA

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Abstract

In about 10 lines, summarise the document's key elements.

Keywords 5 keywords

1 Introduction

The introduction should present an overview of the project and describe the organisation of the document. The subsections presented below are suggestions for organising this chapter.

Context. What is the scientific/technological context of the topic of your project?

Problem. What is the original problem your addressed in your project?

Motivation. Why is this problem important and relevant? What justifies your project? How is your work on this problem different from what was already done (if something was done)?

Goals. What are the main goals of your project?

Outline. How is the rest of the document structured?
The remainder of this document is organised as follows. Section 2 presents bla bla bla. ...

2 Background

In this section, you should describe the scientific or technological context of your project. Provide enough information so that a reader unfamiliar with the topic can understand the problem you are addressing and the rationale for your project. This may include relevant concepts and definitions in the area, particularly those that will be used throughout this document.

3 Related Work

This section should present the state of the art on the topic of your project. It should discuss relevant related work and existing solutions, highlighting their main contributions as well as their limitations, and identifying the gaps or opportunities that motivate your project.

Preparing this section will require you to include references to academic papers, books, and possibly online resources. The next paragraph exemplifies how to do it.

In this work, you are expected to follow the guidelines on document preparation presented in Lamport's book on LaTeX [2]. For editing, you may use tools such as the online platform Overleaf [3]. There is also a good chance that your project will build upon some of Lamport's many scientific contributions, such as the concept of logical clocks [1].

4 «Other Section(s) as Appropriate»

The report should include one or more sections providing a detailed description of the problem you are addressing in the project and your plan to tackle it. Use appropriate section titles for what is presented.

You should explain the methods you are planning to use, or have already started to apply, in your project. This discussion should be grounded in the related work, your own understanding of the problem, and, when available, preliminary results.

In case you already have some preliminary results, consider to include a section devoted to them. This section should describe the work already carried out, what data has already been collected, what analysis and designs have already been done, what methods have been used, what programs and/or preliminary results already exist, etc.

5 Forthcoming Work and Conclusions

This section should include subsections describing the work to be carried out during the remainder of the school year and its objectives. It should also present a chronological plan for the completion of the project. Finally, include a concluding subsection that summarizes the contributions already made, provides a preliminary self-assessment of the progress achieved so far, and discusses the main difficulties encountered.

References

[1] Leslie Lamport. 1978. Time, Clocks, and the Ordering of Events in a Distributed System. *Commun. ACM* 21, 7 (1978), 558–565. https://doi.org/10.1145/359545.359563

[2] Leslie Lamport. 1994. *LaTeX - A Document Preparation System: User's Guide and Reference Manual, Second Edition.* Pearson / Prentice Hall.

[3] Overleaf. 2025. Overleaf Online LaTeX Editor. https://www.overleaf.com. Accessed: 2025-09-05.