Your report should be well-organized and include the following elements:

* **Title Page:** Project title, student(s) name(s), course details.
* **Abstract:** A concise summary of the project, including the problem statement, approach, and key findings (1 page).
* **Introduction:** Introduction to the topic, background information, and objectives (2-3 pages).
* **Methodology:** Explain the machine learning algorithms and techniques used. Include model selection, training process, and any frameworks used (3-5 pages).
* **Data:** Description of the dataset, data preprocessing steps, and any feature engineering or transformations applied (2-3 pages).
* **Experiments & Results:** Discuss the experiments conducted, evaluation metrics, and the results. Use visual aids like graphs and tables to present your findings (3-5 pages).
* **Discussion:** Analyze the results, explain the challenges faced, and discuss how your approach contributed to solving the problem (2-3 pages).
* **Conclusion & Future Work:** Summarize the project and suggest improvements or future research directions (1-2 pages).
* **References:** A list of all papers, books, or online resources cited in the report.

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**references**