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| **Name :** | **Group:** |
| 1. **Problem Description:** Why did you choose this problem and dataset? How relevant is this issue? What are the expected outcomes? | |
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| 1. **Data Preparation:** What preprocessing steps were necessary? | |
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| 1. **Architecture Justification:** How did you choose the number of layers and neurons? How does the architecture suit the problem? | |
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| 1. **Activation Functions**: Why were specific activation functions chosen? How do they impact the network's performance? | |
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| 1. **Loss and Optimizer:** Which loss function and optimizer were used, and why? | |
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| 1. **Overfitting Prevention:** What techniques did were used to avoid overfitting? | |
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| 1. **Evaluation Metrics:** How did you measure the network's performance? Why were these metrics chosen? | |
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| 1. **Training Parameters**: What learning rate, batch size, and number of epochs did you choose? Why were these values selected, and how did they affect the training process? | |
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| 1. **Hyperparameter Tuning:** Did you experiment with different hyperparameters? How did you find the optimal settings? | |
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| 1. **Learning Curve Analysis:** How did the training and validation loss change over epochs? Were there signs of underfitting or overfitting? | |
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| 1. **Results & Implications:** What were the outcomes, and what do they imply about the problem or dataset? | |
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| 1. **Challenges and Solutions:** What challenges did you face during the project, and how did they overcome them? | |
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| 1. **Future Improvements**: Based on their results, what improvements would you suggest for future work? | |
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| 1. **Reflection:** What did you learn from this project, both technically and in terms of problem-solving? | |
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