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# **Question 1: Dataset Preparation and EDA**

1. Dataset Preparation
2. EDA Findings

# **Question 2: Solution Design**

1. ANN Architecture
2. Approach Justification

# **Question 3: Model Development & Evaluation**

1. Optimization Process
2. Optimization Techniques

# **Question 4: Web Application**

# **Question 5: Explainable AI**

1. Method Comparison
2. Implementation an explainable AI

# **Question 6: GenAI Implementation**

1. Transformer Architecture
2. GenAI Implementation
3. Performance Analysis