# Revolutionizing Liver Care: Predicting Liver Cirrhosis Using Advanced Machine Learning Techniques

## Solution Requirements

To ensure the successful implementation of the predictive model, the following functional and non-functional requirements must be met:

**Functional Requirements:**

- Integration with Electronic Health Records (EHR) systems.

- Data preprocessing to clean and normalize medical records.

- Machine learning model capable of classifying risk levels based on patient data.

- Real-time or batch processing of new patient data.

- User-friendly interface for healthcare professionals to interpret results.

- Automated alerts for high-risk patients.

**Non-Functional Requirements:**

- High accuracy and reliability of predictions.

- Data security and compliance with healthcare regulations (e.g., HIPAA, GDPR).

- Scalability to handle increasing patient records over time.

- Low-latency processing for quick decision-making.

- Regular updates and retraining of the model with new medical data.