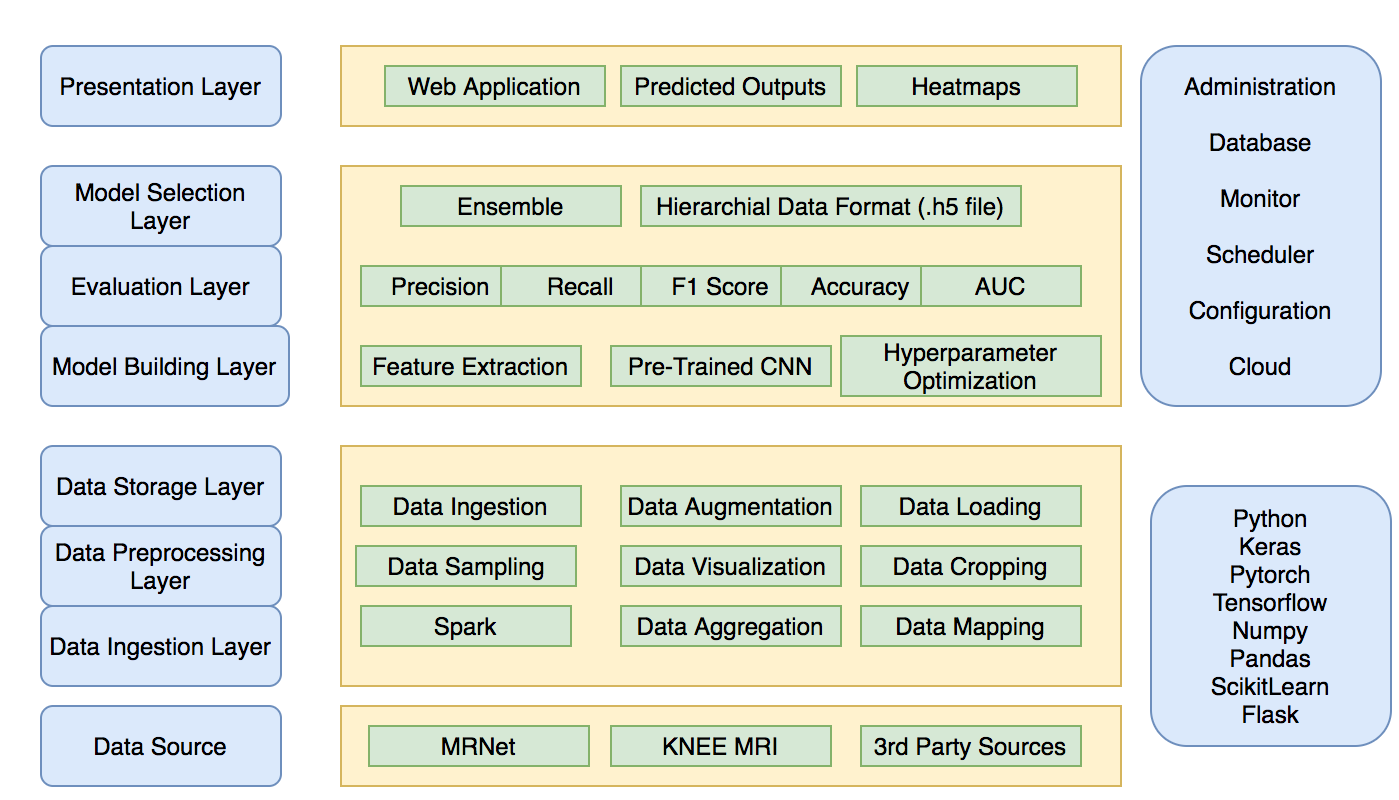
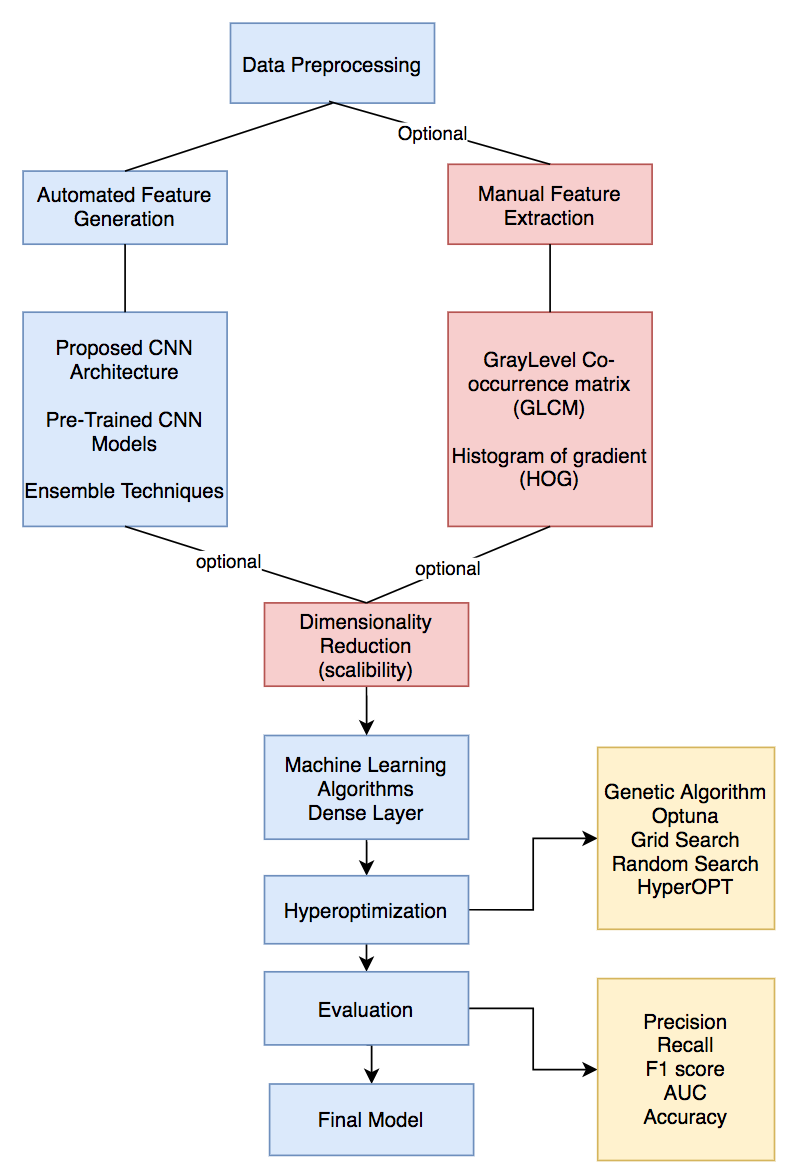
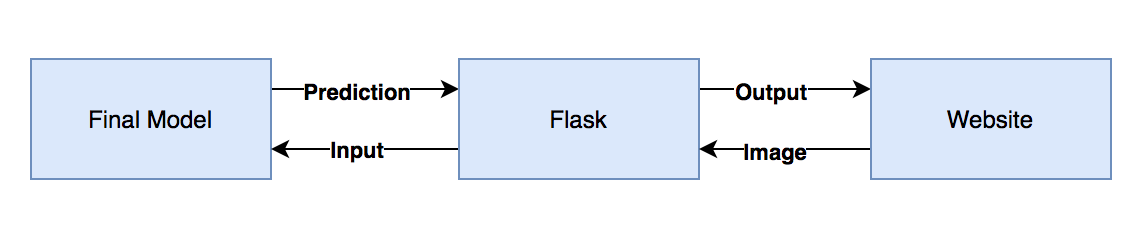
**ARCHITECTURE DOCUMENT**

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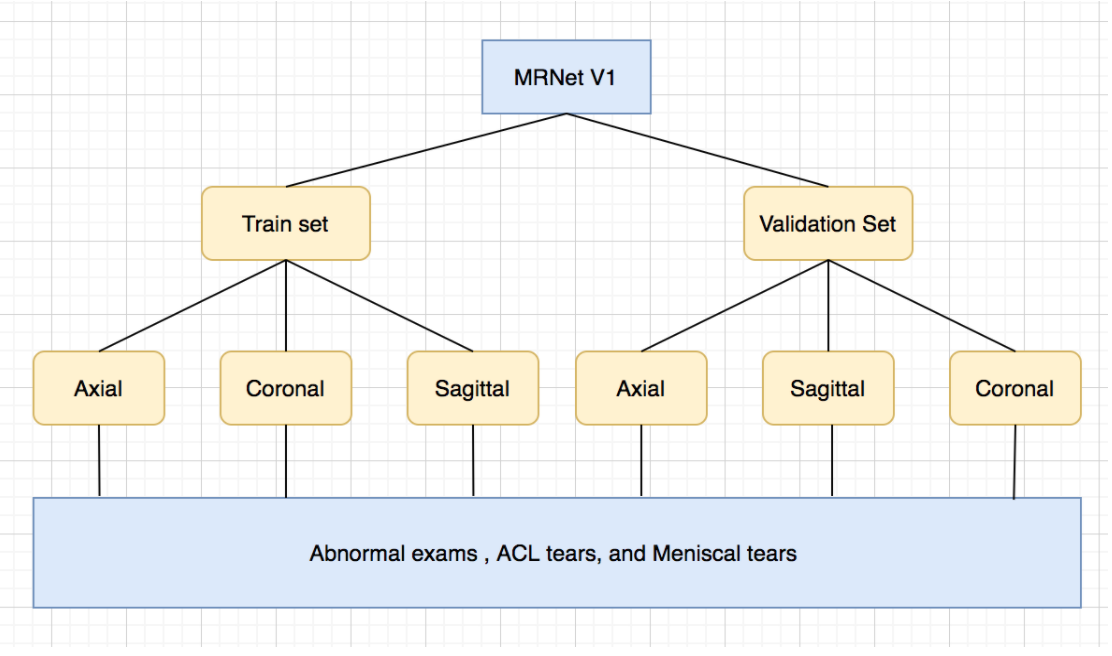
**Figure 1: Conceptual Architecture**

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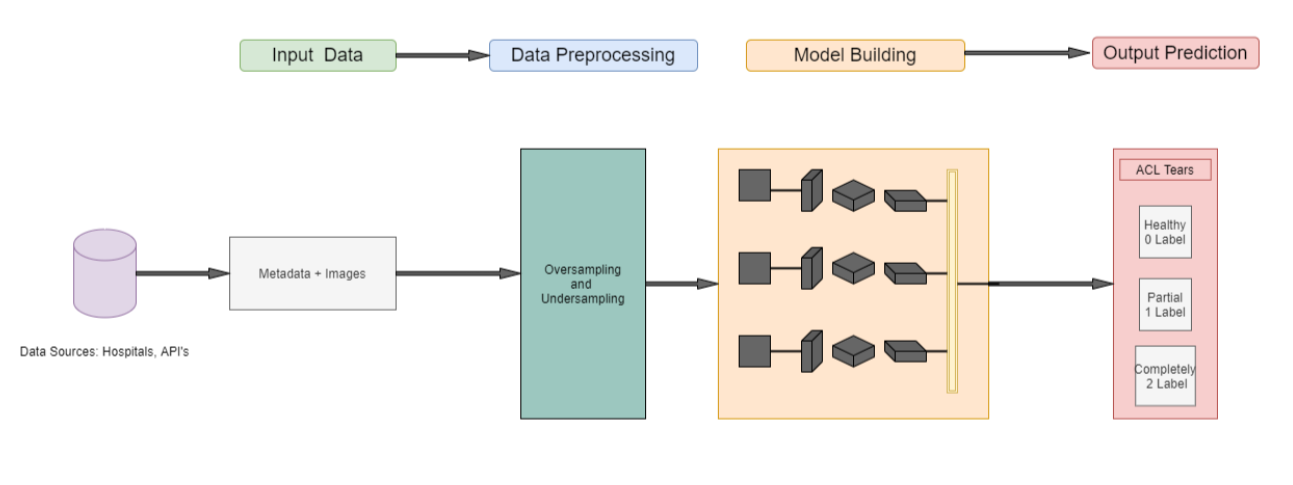
**Figure 2: Flowchart of proposed events for model Building**

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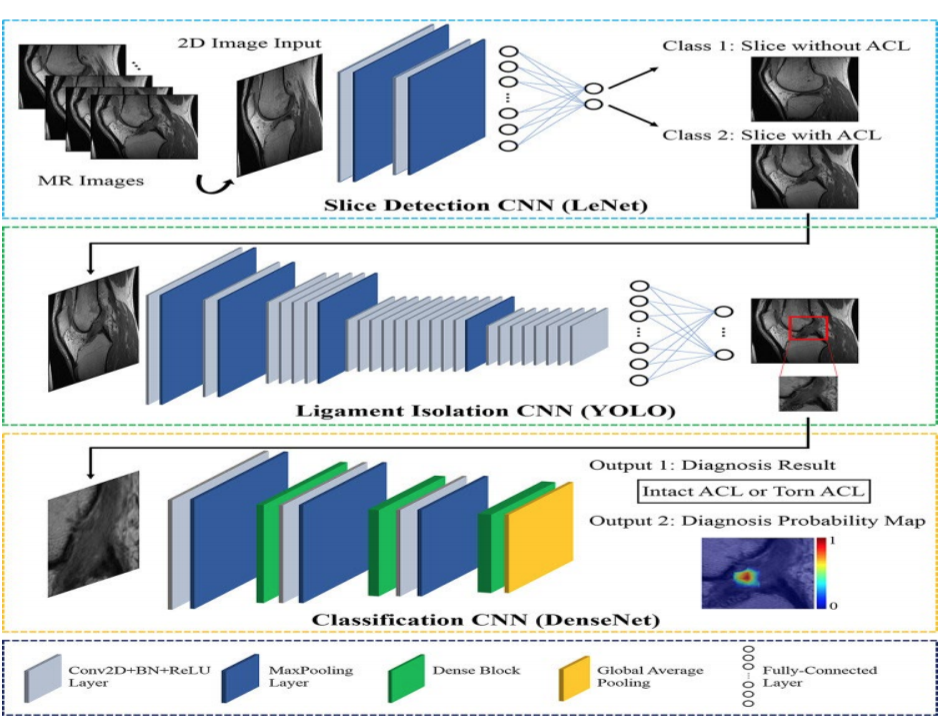
**Figure 3: Flask Pipeline**

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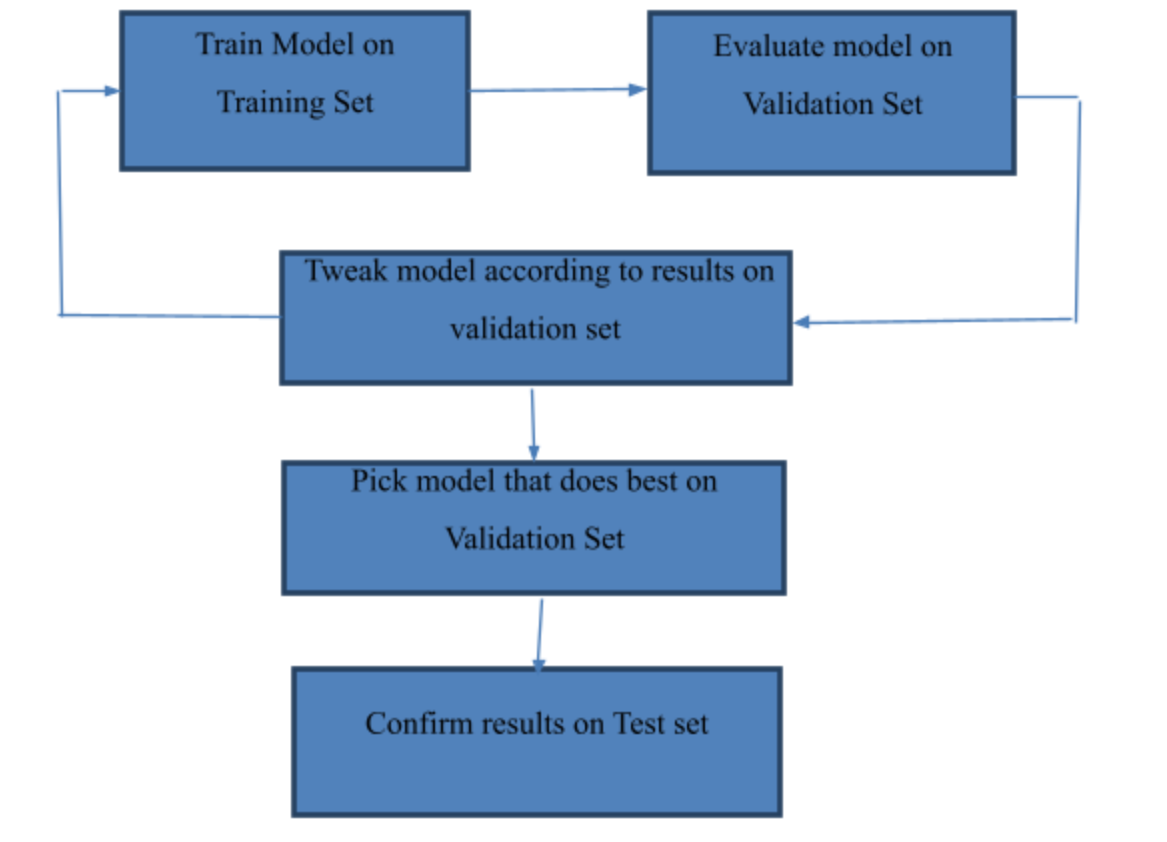
**Figure 4: Distribution of MRNet Dataset**



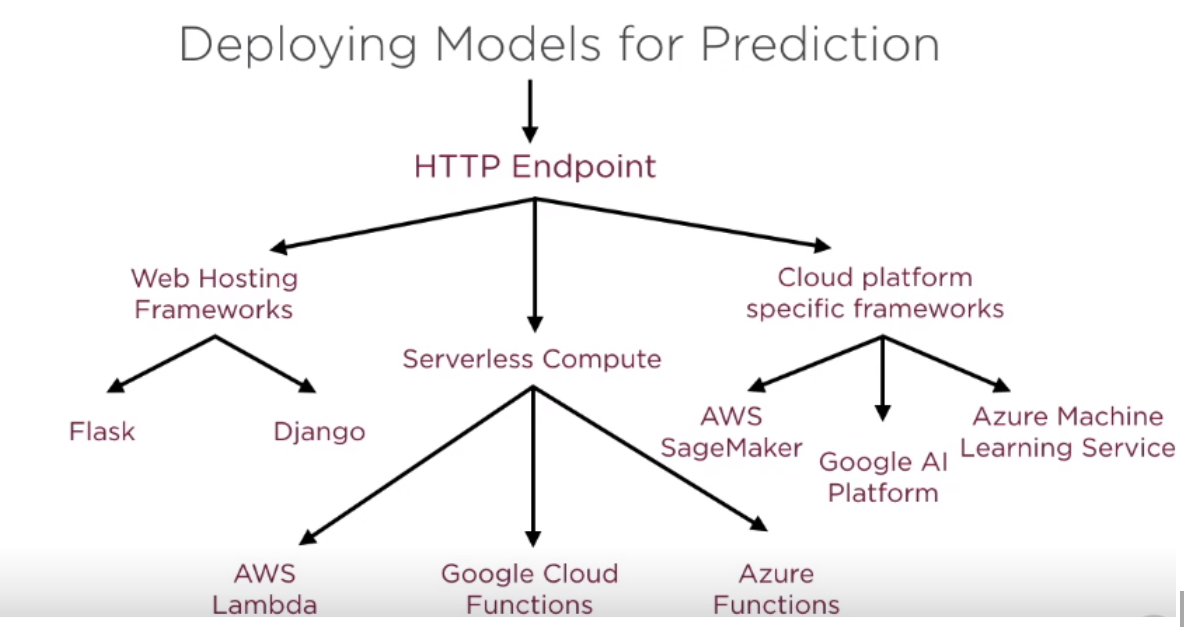
**Figure 5: High Level Design Architecture**



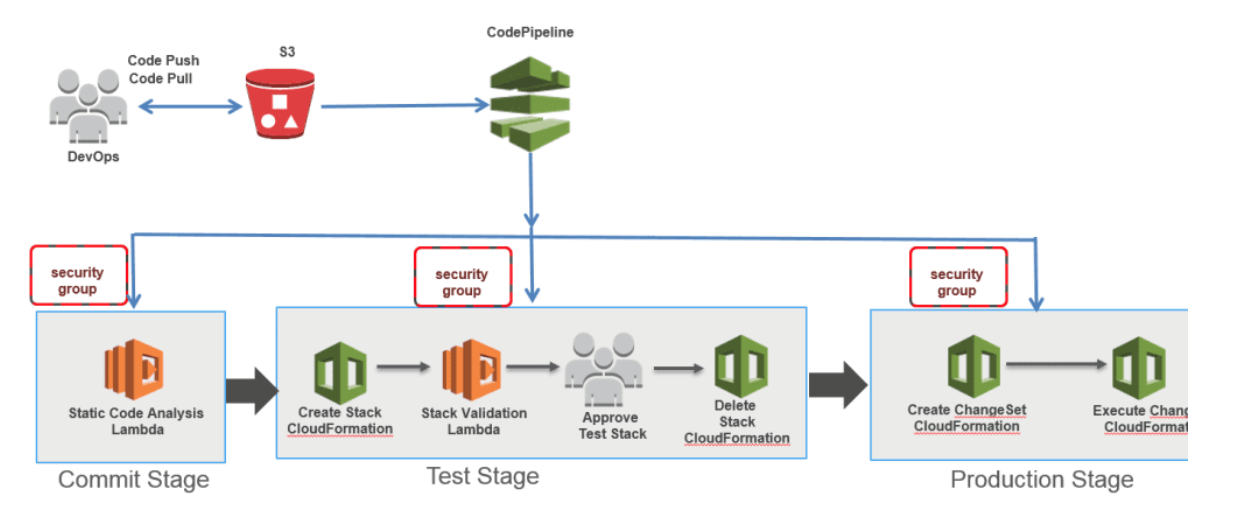
**Figure 6: Proposed deep learning-based ACL tear detection Architecture**



**Figure 7: Model Testing Architecture**



**Figure 8: Deploying Models for prediction**



**Figure 9: CI/CD Pipeline**