The problem domain I am focusing on is healthcare. This area is at high risk for cyber attacks because of the plethora of valuable data stored within healthcare systems and the increasingly important role technology plays in daily operations. During my preliminary research I found that healthcare is generally behind in terms of cybersecurity awareness because very little resources are devoted to it, despite the number of data breaches, ransomware attacks, etc. facing the area. This can be attributed to when the healthcare sector started its transition to digitalization; cybersecurity was not a top concern. Because of this there are many issues in this domain that need solving. Specifically I'm interested in exploring blockchain management of patient data, cyber attacks targeting medical devices, and the internet of medical things.

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