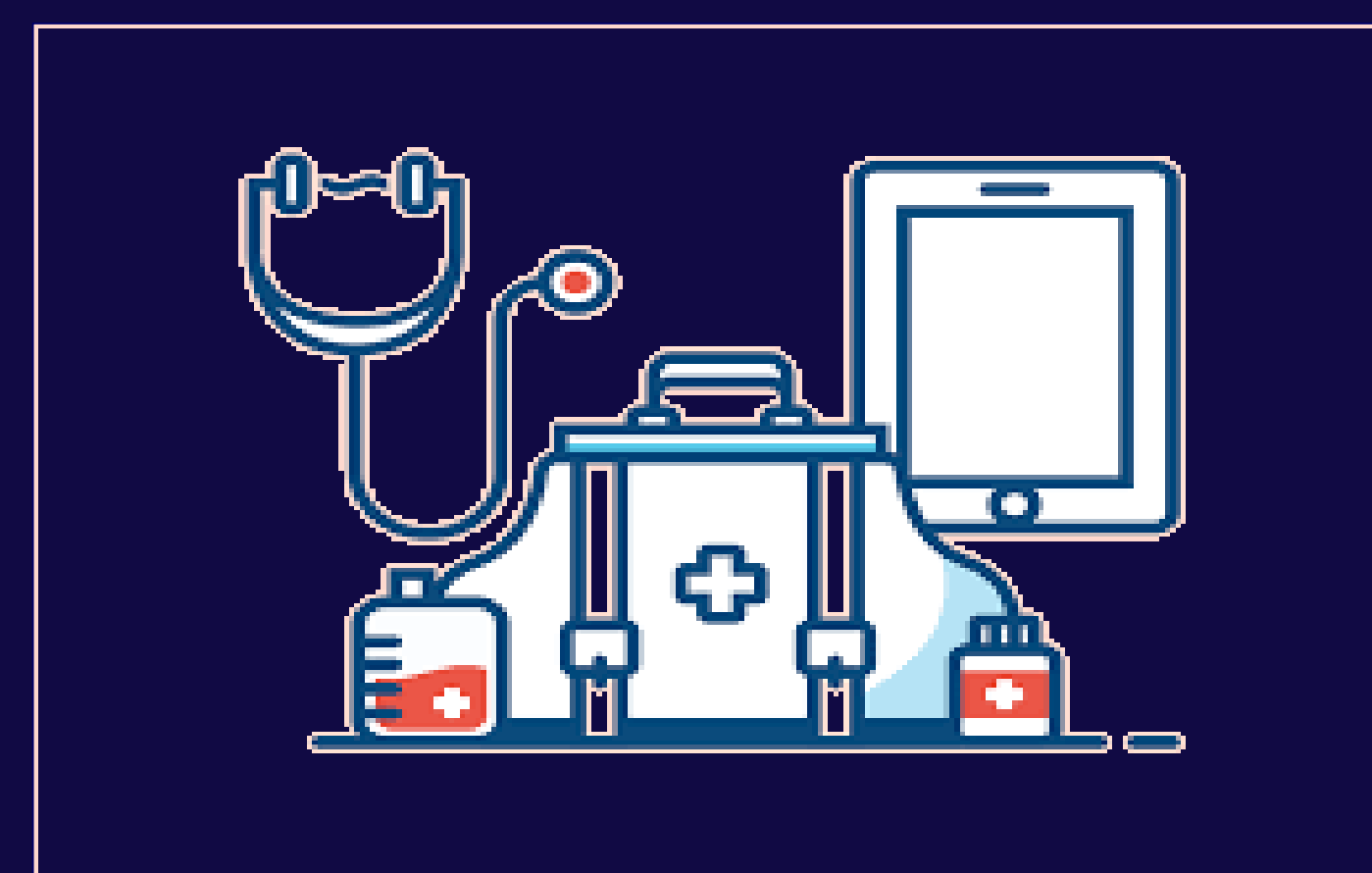


A RESEARCH ON BIG DATA ANALYTICS IN HEALTHCARE INDUSTRY



Name of student-----

Many technologies and breakthroughs would not be possible without research. It is important to keep members of the community informed about the latest updates. One way to do that is through research posters.

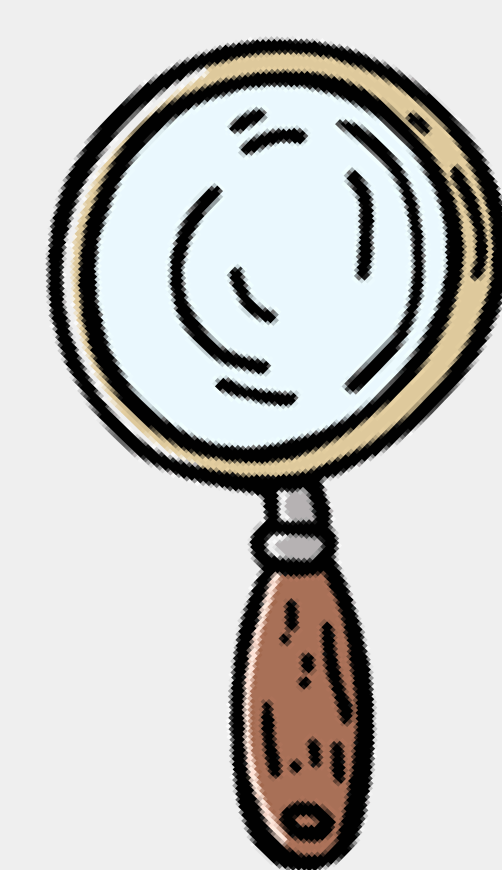


Research Question & Anticipated Product(s)

- Explore applications of big data analytics techniques in various healthcare domains
- Develop scalable analytics pipelines for processing large, heterogeneous healthcare datasets
- Extract actionable insights from medical data to drive improved patient outcomes and operational efficiency
- Anticipated product: Big data analytics framework tailored for healthcare use cases



Background Context Of The Proposed Research



- Healthcare industry generates massive volumes of patient records, clinical trials, genomic sequences (Wang et al. 2018)
- Traditional analytical methods face challenges in handling this heterogeneous "big data"
- Big data analytics has shown potential for early disease detection, treatment optimization (Baro et al. 2015)
- However, privacy, security and regulatory compliance are critical considerations (Shaikh et al. 2020).