



## Ananya Pradhan

Affiliate, Radiation Oncology - Radiation Biology

### Bio

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My research sits at the intersection of deep learning, computational analysis, and understanding high-dimensional biological data to create a positive impact for patients. I am deeply fascinated by computer science and have experience working with generative networks and deep neural networks.

Currently, I am working with Dr. Seraphina Shi in the Esfahani Lab. My research focuses on analyzing epigenetic features of cfDNA fragments to develop deep learning architectures for early lung cancer detection. My prior independent research involved using variational auto-encoders and optical coherence tomography data to detect Alzheimer's disease at an early stage.

Outside of research, I enjoy student leadership and debate, and I'm always happy to have great conversations. I also love movies and spending time in nature. If any of these topics interest you, feel free to reach out!