

Capstone Project Deployment Method (Step 11)

I am going to build an app using Streamlit for my deployment method. The primary purpose of this app is to allow medical providers to input some patient information—such as a mental, behavioral, or developmental disorder diagnosis and patient demographic information—and obtain an estimate of the probability of readmission from the DL model I developed. In order to create this app, I will need to perform the following tasks:

- I have already installed and started learning about Streamlit. However, I need to further read documentation, complete tutorials, and practice coding simple apps with Streamlit to learn how to use it for my capstone project.
- I then need to design my deployment solution architecture (e.g., model components, functionality, inputs and outputs, data storage, lifecycle, system monitoring, etc.).
- Next, I need to refactor my code into production code.
- Finally, I need to create my app using Streamlit.