**Deep Learning**

***Neural Networks***

For our **MR application** we will be using the **Convolutional Neural Networks (CNNs)**

* This deep learning network will help us in processing and making predictions from different types of data including text, images and audio.
* Unlike the traditional algorithms which are hand-engineered, CNNs learns from optimizing filters through automated learning.
* This independence provides a huge advantage.

***Application***

**Natural Language Processing (NLP)**

**NLP will be our main application with its ability to** understand, produce, and work with human language.

***FEATURES***

Customized schedules  
Timely reminders

Customizable settings

***OTHER FEATURES:***

The app facilitates connection and care through the advanced communication features.

Users can engage with a sophisticated **chatbot** for mood tracking, symptom reporting, and crisis support, while also receiving personalized guidance (Check-up dates reminders and so on).

Furthermore, live therapy sessions, and goal setting are enabled through human-assisted support. Secure messaging and video conferencing capabilities ensure seamless communication with healthcare professionals, fostering a supportive ecosystem that links patience, providers, and peers.

Specifically, elderly users benefit from:

* Access to medical professionals
* Reducing hospitalization
* Emergency visits.