README

**Project Name:**

Deep Learning for Pneumonia Diagnosis: A CNN-based Approach with GradCAM Visualization

**Objective:** The project's main goal is to addresses the critical task of pneumonia detection through the utilization of a Convolutional Neural Network (CNN) architecture enriched with Gradient-weighted Class Activation Mapping (GradCAM)

**Requirements:**

• Google Collab

• Python3.2

• Dataset from Kaggle

Dataset Link:  <https://www.kaggle.com/datasets/paultimothymooney/chest-xray-pneumonia>)

**Steps to Execute:**

• Click the Google Collab badge to open the project in Google Collab.

• To run the code and import all necessary libraries, mount all necessary data files from the disk to Google Collab.

• To run the full notebook, choose "run all" from the runtime menu after opening the project.