**References**

**1. Python Official Documentation:**

- Python's official documentation provides comprehensive guides on various Python modules used in the project, such as `csv` for reading CSV files and `unittest` for testing.

- Link: [https://docs.python.org/3/](https://docs.python.org/3/)

**2. Tkinter GUI Documentation:**

- For the graphical user interface (GUI) design, Tkinter is a built-in Python library. The official Tkinter documentation offers insights into the different widgets and methods available for creating an interactive user interface.

- Link: [https://docs.python.org/3/library/tkinter.html](https://docs.python.org/3/library/tkinter.html)

**3. Unittest Framework Documentation:**

- The `unittest` module is part of the Python Standard Library and is useful for writing tests. The official documentation provides all necessary details on how to structure and write unit tests.

- Link: [https://docs.python.org/3/library/unittest.html](https://docs.python.org/3/library/unittest.html)

**4. CSV Module Documentation:**

- The `csv` module in Python is used to handle reading from and writing to CSV files. The official Python documentation offers an in-depth guide on how to work with CSV files in Python.

- Link: [https://docs.python.org/3/library/csv.html](https://docs.python.org/3/library/csv.html)

**5. Machine Learning Algorithms for Healthcare:**

- A good resource to understand how AI and machine learning can be applied to healthcare diagnosis.

- Link: [https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6225786/](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6225786/)

**6. Introduction to AI in Healthcare:**

- This article discusses the role of artificial intelligence in healthcare, providing insights into its applications for diagnostics and treatment recommendations.

- Link: [https://healthitanalytics.com/news/the-role-of-artificial-intelligence-in-healthcare-advancements](https://healthitanalytics.com/news/the-role-of-artificial-intelligence-in-healthcare-advancements)

**7. Human-Computer Interaction and AI in Healthcare:**

- This academic paper outlines the potential and challenges of AI-driven health systems that provide diagnostics through user interfaces.

- Link: [https://www.frontiersin.org/articles/10.3389/fcomp.2020.00023/full](https://www.frontiersin.org/articles/10.3389/fcomp.2020.00023/full)

**8. AI and Diagnosis: Emerging Applications:**

- An in-depth article on how AI and machine learning models can assist with the diagnosis of diseases and health conditions.

- Link: [https://www.sciencedirect.com/science/article/pii/S2589537019300177](https://www.sciencedirect.com/science/article/pii/S2589537019300177)

**9. Kaggle Datasets for Healthcare:**

- Kaggle hosts numerous healthcare-related datasets that can be used to train and test machine learning models for healthcare diagnosis systems.

- Link: [https://www.kaggle.com/datasets](https://www.kaggle.com/datasets)

**10. An Overview of Health Informatics:**

- This book provides insights into health informatics and AI technologies that can assist in medical diagnosis and treatment.

- Link: [https://link.springer.com/book/10.1007/978-3-030-52348-9](https://link.springer.com/book/10.1007/978-3-030-52348-9)

**Suggested Books:**

**1. “Artificial Intelligence in Healthcare” by Adam Bohr & Kaveh Memarzadeh:**

- This book provides an extensive overview of the use of AI in diagnosing and treating patients in healthcare.

**2. “Python for Data Analysis” by Wes McKinney:**

- This book is an excellent resource for learning about data handling in Python, which includes working with CSV files.

**3. “Building Machine Learning Powered Applications” by Emmanuel Ameisen:**

- This book is focused on the integration of machine learning into applications, which can provide insights for expanding the AI aspects of the project.

These references should provide the theoretical and practical grounding necessary for your project, from understanding AI applications in healthcare to writing and testing Python code with `unittest`.