**Project Proposal**

**Title:** Exploring Large Language Models and Enhancing Societal Impact through AI in Aircraft Damage Detection

**Duration:** 2 Weeks

**Objectives:**

**Dive into Large Language Models (LLMs):**

Understand the architecture, functioning, and applications of large language models.

Develop a small demonstration using an LLM in a Jupyter Notebook.

**Enhance Understanding of Societal Impact in AI for Aircraft Damage Detection:**

Conduct in-depth research on the use of AI and computer vision in aircraft damage detection.

Elevate my proficiency level in societal impact from Proficient to Advanced by exploring the potential benefits and ethical considerations of these technologies.

**To Do List**

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| Done | Task |
|  | Review on large language models on internet |
|  | Study architecture and training of LLMs |
|  | Find idea to make a demonstration with on LLMs |
|  | Set up development environment and experiment with LLMs |
|  | Develop basic LLM functionalities in a Jupyter Notebook |
|  | Create and document a demonstration project in the Notebook |
|  | Research technologies used in AI in aircraft damage detection |
|  | Review case studies and analyze societal benefits of AI in ADD |
|  | Explore ethical challenges and considerations in the technologies |
|  | Compile research findings and draft the societal impact report |
|  | Finalize demonstration project and societal impact report |