SEA820 Project Plan

**Author: Arhaam Khan**

**Team size: 1 student**

**Due Date: August 9, 2025**

# Project Goal

**The goal of this project is to build, evaluate, and compare different NLP models for the task of classifying a given text as either "human-written" or "AI-generated."**

# Project Timeline & Milestones (3 Weeks)

This timeline provides a structured path to completion.

**Foundations and Classic Model (Week 1)**

* **Deliverable:** A working baseline model and a project plan.
* **Tasks:**

1. **Setup.**
2. **Data Exploration & Preprocessing.**
3. **Implement Baseline Model.**

**Fine-Tuning a Transformer Model (Week-2)**

* **Deliverable:** A fine-tuned Transformer model and initial comparison results.
* **Tasks:**

1. **Hugging Face Datasets & Transformers**
2. **Fine-Tuning**
3. **Initial Evaluation & Comparison**

**Analysis, Reporting, and Presentation (Week-3)**

* **Deliverable:** Final project submission (code, report, and presentation slides).
* **Tasks:**

1. **Analysis**
2. **Ethical Considerations Analysis**
3. **Final Report & Code**
4. **Presentation**

-x-