

Part 4: Ethical Reflection

In my future project — an AI-powered **career guidance platform for high school students in Kenya** — I aim to help students discover suitable career paths based on their interests, KCSE subjects, and goals. While the objective is noble, I recognize the ethical responsibilities tied to building such a system.

To ensure it aligns with ethical AI principles:

1. **Fairness and Non-Discrimination:**

I will audit the training data to ensure it does not favor urban schools, elite institutions, or specific genders. I will use fairness metrics like **disparate impact ratio** to test for bias and apply reweighing techniques if needed.

2. **Transparency and Explainability:**

The system will show **clear reasons** behind each career suggestion using explainable AI models (e.g., decision trees). Students and teachers should understand how inputs lead to recommendations.

3. **Autonomy and Consent:**

I will give users full control over their data. They can choose what to share and opt-out at any point. All data will be processed with consent and stored securely.

4. **Inclusivity and Accessibility:**

The platform will be mobile-friendly, use simple language, and offer local translations to ensure it benefits **students across rural and underserved regions**.

5. **Accountability:**

I will involve **educators and career mentors** in validating the system's recommendations and update the model periodically based on user feedback.

By embedding these principles from the start, I hope to build not just a useful product — but a **trustworthy, responsible, and empowering AI tool** that uplifts students without reinforcing social biases.