# **Part 4: Ethical Reflection**

**Personal Project: AI-Powered Resume Screening Tool** 

# 1. Ethical Risks Identified:

- **Bias in Training Data:** If historical hiring data favors certain demographics (e.g., male candidates from elite universities), the model may replicate these biases.
- Lack of Transparency: Applicants might not understand why their resumes were rejected.
- **Privacy Concerns:** Storing sensitive applicant data without proper consent.

# 2. Mitigation Strategies:

# Diverse & Representative Data:

- Collect resumes from a wide range of genders, ethnicities, and educational backgrounds.
- Use synthetic data augmentation to balance underrepresented groups.

#### Bias Detection & Fairness Metrics:

- Implement disparate impact analysis to ensure equal selection rates across groups.
- o Use IBM's AI Fairness 360 or Google's What-If Tool for bias audits.

# Explainability & User Control:

- Provide clear feedback to rejected candidates (e.g., "Your resume lacked keywords in X skill").
- o Allow applicants to **opt out** of AI screening and request human review.

# • Privacy Protection:

- Follow GDPR/CCPA compliance—anonymize data and allow deletion requests.
- Store data securely with encryption and access controls.

# 3. Long-Term Ethical Commitment:

- **Continuous Monitoring:** Regularly re-audit the model post-deployment.
- Stakeholder Feedback: Involve HR teams and job seekers in evaluating fairness.

<ul> <li>Public Transparency: Publish an AI Ethics Report detailing bias checks and corre</li> </ul>	ctive
actions.	