Summary and Practical Considerations

🚀 **Pre-trained LLMs Revolutionized the NLP Landscape**

🏗️ **Choose Your Architecture**

Encoder	**Decoder**	**Both**
BERT-style	GPT-style	T5-style

⚖️
Bias & Fairness

🔒
Privacy

📰
Misinformation

🌍
Environment

✅ **Diverse Evaluation**
Test on diverse datasets and scenarios

📝 **Document Limitations**
Clearly state model capabilities and constraints

🔍 **Transparency**
Open about model behavior and decisions

👥 **Human Oversight**
Maintain human-in-the-loop for critical tasks

🌱 **Environmental Cost**
Training emissions and energy consumption

🤝 **Accessibility**
Democratization vs. resource concentration

📚 **Continuous Learning**
Field evolves **rapidly**, stay updated

🛡️ **Responsible Deployment**

Transparency · **Safety measures** · **Human oversight** in all deployments