1. Thesis:

- **Purpose**: A deep academic exploration of centralized and decentralized networks using graph theory. This would involve a detailed analysis of their respective structures, vulnerabilities, and implications.
- **Content**:
  - **Theoretical Foundations**: Include detailed graph theory concepts, network structures, and in-depth methodology.
  - **Empirical Research**: If you're simulating network behavior in a Conda environment, include experimental data and results.
  - **Literature Review**: Extensive analysis of previous research on centralized and decentralized systems.
  - **Formal Presentation**: Stick to formal structure—abstract, introduction, methodology, results, and conclusion.
- **Audience**: Academics, students, and experts in computer science and network theory.

2. White Paper:

- **Purpose**: A more accessible, practical document that advocates for the adoption of decentralized networks, highlighting vulnerabilities in centralized systems.
- **Content**:
  - **Simplified Discussion**: Focus on the practical implications of your findings without delving too deep into the theoretical side.
  - **Recommendations**: Offer clear and actionable advice for industry leaders, policymakers, and users.
  - **Case Studies/Real-World Examples**: Include examples of decentralized platforms (like DuckDuckGo) and how they address issues centralization poses.
  - **Technical Insights**: Present high-level insights from your simulation and research without getting overly technical.
- **Audience**: Industry professionals, tech companies, policy makers, and the general public interested in privacy and decentralization.

Why It’s a Good Idea:

1. **Different Audiences**: The thesis will cater to academics, while the white paper targets professionals and the general public. This way, you're appealing to both specialized and broad audiences.
2. **Cross-Impact**: The thesis serves as the academic foundation, which can lend credibility to the white paper. The white paper, in turn, can make your work more visible and applicable outside academia.
3. **Dual Recognition**: You'll contribute both to scholarly discourse and practical industry solutions, increasing your recognition across fields.
4. **Future-Proofing**: As decentralized networks and privacy concerns gain more traction, your white paper could have a lasting impact, while the thesis could serve as a foundation for future academic work.