Welcome to AI for Telco Part 2: Generative AI and Prompt Engineering

ANI_109d | On-Demand | Automation and Insights | Express
Course Duration: 1 hour

The telecommunications industry is teetering on the edge of a game-changing revolution, poised to be ushered in by generative AI, the disruptive force ready to reinvent how we connect, manage networks, and engage with customers. In this captivating one-hour course, we'll pull back the curtain on the immense potential of this technology in telecom. Brace yourself for a deep dive into how generative AI can transform operations. We'll unveil how it can revolutionize security, shifting from reactive defense to proactive offense with fraud prevention, anomaly detection, and AI-powered threat mitigation. Witness how this technology empowers your workforce, streamlining tedious tasks and augmenting human expertise, freeing up valuable time for innovation and creative problem solving.

Intended Audience

Telecom professionals, data scientists, AI enthusiasts, product managers

Objectives

After completing this course, the learner will be able to:

- Define generative AI and its potential in telecom
- Demystify prompt engineering
- List applications of generative AI in Networking
- Examine effective prompts for desired outputs
- Explore ethical challenges in using generative AI

Outline

1. Foundations
1.1 Foundations of AI and Generative AI
1.2 Telecom Landscape and Challenges

2. Power of Prompt Engineering
2.1 Crafting Effective Prompts
2.2 Zero-shot and Few-shot learning
2.3 Chain of Thought (CoT)

3. Generative AI in Action
3.1 Real-World Use Cases
3.2 Network Optimization
3.3 Personalized Customer Experience
3.4 Security and Fraud Detection

4. Ethical Considerations and Challenges
4.1 Bias and Fairness
4.2 Transparency and Explainability
4.3 Privacy and Security

5. Conclusion
5.1 Summary

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