

Topic 18: Generative Recommenders

1. Better Generalization with Semantic IDs: <https://arxiv.org/abs/2306.08121>
2. OneRec: Unifying Retrieve and Rank with Generative Recommender & Iterative Preference Alignment: <https://arxiv.org/abs/2502.18965>
3. Semantic IDs for Generative Search and Recommendation: Explains how to tokenize items into semantic tokens and unify search + recommendation:
<https://research.atspotify.com/2025/9/semantic-ids-for-generative-search-and-recommendation>
4. Semantic IDs and Generative Retrieval: A plain-language overview of semantic IDs in LLM-based recsys:
<https://medium.com/@kakumar1611/lm-for-recsys-and-search-part-1-semantic-ids-and-evolving-architectures-2651bc5c47c6>
5. Training an LLM-RecSys Hybrid: A hands-on experiment report of combining LLMs and semantic IDs: <https://eugeneyan.com/writing/semantic-ids/>
6. Curated list of recent papers on LLM-powered recommendation:
<https://github.com/guyulongcs/Awesome-Deep-Learning-Papers-for-Search-Recommendation-Advertising>
7. Generative AI for Recommendation Systems: Practical guide to convert user logs into tokens for LLMs:
<https://huggingface.co/blog/jiagaoxiang/genai-interaction-recommendation-system>
8. The Rise of Generative Recommenders: Explaining the shift from retrieve-rank to generative recommenders using OneRec as a case study:
<https://mlfrontiers.substack.com/p/the-rise-of-generative-recommenders>
9. Conversational Recommendation with Generative Agents: Article covering the emerging idea of agents interacting and recommending via LLMs:
<https://arxiv.org/html/2310.10108v3>
10. GPT-4Rec: Framework where an LLM generates search queries and retrieves items to serve as recommendations: <https://arxiv.org/abs/2304.03879>