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To: Education Materials Chairs, NeurIPS 2025
Subject: Submission to the NeurIPS 2025 Call for Education Materials

Dear Education Materials Chairs,

I am pleased to submit our educational resource, *Inside Recommender Systems: How They Work and Why They Matter*, to the NeurIPS 2025 Education Track. This resource is designed for non-expert audiences and aligns with the call's goals of providing accessible, engaging, and reusable AI education materials.

Audience & Engagement   **Target audience:** high school students, undergraduate students in non-CS majors, educators, and the general public with no prior AI background..
Expected engagement time: $\tilde{5}$ minutes total (2.5-minute explainer video + infographic+ Interactive demo).

Overview   This resource introduces what recommender systems are and explains how they shape everyday online experiences, using clear, non-technical language and familiar examples. It outlines two common methods these systems use, highlights both their benefits and limitations, and encourages critical thinking about how recommendations influence what we see and buy. To deepen understanding, an interactive demo lets users experiment with these recommendation methods, including exploring the cold-start challenge. The design is approachable, classroom-ready, and emphasizes visual clarity.

Submission Components

- **Infographic:** `infographic.pdf` and `infographic-references.txt`

- **Short Video Explainer:** overview of concepts and key takeaways (`explainer.mp4`, 2.5 minutes)

- **Interactive Demo**: try key recommendation methods in action recommender-system-demo

Educational Value & Reusability   The resource is concise, modular, and easily adoptable in classrooms, clubs, and outreach activities. It includes transparent references, definitions, and structured explanations in simple vocabulary, making it accessible to a wide range of learners.

Authorship   This material has been prepared with and for high school learners to promote AI literacy and climate awareness.

Thank you for your consideration. I would be delighted to share this resource with the NeurIPS community and support its dissemination to educators and students.

Sincerely,

Mahveen Raza