

Ritwik Puri

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Projects

1. Collaborative Filtering

- Made a comprehensive static website for the project

- Did research on Collaborative Filtering and implemented 2 different algorithms: K- Nearest Neighbours (KNN) and Matrix Factorization (MF)

2. Video Summarization

- Developed a fully functional Flask based web app for tracking, classifying and recording the important events within surveillance video and managing summarized videos interactively.

3. Ray Casting

- Made a Simple First Person Game Engine using Raycasting on Terminal using the `ncurses` library (for terminal manipulation)

- Used ascii characters to display/render the "world", making things more immersive to the player by rendering things at various distances with different ascii-characters providing Depth in the Field of View.

Open Source

01/2020 - 05/2020

1. Pitivi

- Pitivi is an open source video editor. It's backend is based on GES (Gstreamer editing services) and (most of) the frontend/UI is based on GTK+. To know more about the project -> [\[SEE\]](#)

- My Contributions -> [\[SEE\]](#)

Experience

07/2020 - 08/2020

1. LeadingIndia.ai - Intern

- Worked on the area/problem of Image Inpainting

- Made this user-friendly by making a fully functional web-app.

Skills

- **Languages:** Python, C++(basic)

- **Frameworks:** Flask, Django

- **Other(s):** Git, SQL, Linux, AWS S3 & EC2

Education

08/2017 - 06/2021 : (Currently Enrolled)

Bennett University, Greater Noida

- B-Tech in Computer Science
