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.

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Open Source (Experience)

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]

- To see my Contributions -> [SEE]

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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.

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Skills
- **Languages**: Python, C++(basic)
- **Frameworks**: Flask, Django
- **Other(s)**: Git, SQL, Linux, GCP

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Certifications
1. Architecting with Google Compute Engine **[SPECIALIZATION]**

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Education

08/2017 - 06/2021 : (Currently Enrolled)
Bennett University, Greater Noida

- B-Tech in Computer Science

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