

# Ritwik Puri

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Website: [photOn.github.io/](https://photOn.github.io/)

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## Projects

### 1. Collaborative Filtering

- Made a comprehensive static website for the project. Have a look:

<https://photOn.github.io/CollabFil/>

- 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.

- Github Repo:

<https://github.com/photOn/sp5-VideoSummarizer>

### 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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## 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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## 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:

<http://www.pitivi.org/>

- My Contributions:

<https://gitlab.gnome.org/GNOME/pitivi/-/commits/master?author=ritwik>

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## Skills

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

- **Frameworks:** Flask, Django

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

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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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