

## **Course Objective:**

To provide a thorough understanding of intermediate Python concepts and technical skills. Students will be able to learn fundamental OOP principles, how to apply them and use Pygame in their final project

## **Logistics:**

Course will be run over Google Meet Weekly on Saturdays, 11:30-12:30 pm EST from Mar 25<sup>th</sup> 2023 to May 20<sup>th</sup> 2023.

## **Course Outline:**

- Class 1: Installing IDEs and intro to object oriented programming
- Class 2: Bank Application using OOP concepts learned
- Class 3: Using pip and virtual environments, intro to pygame (creating basic skeleton game)
- Class 4: Pygame project part 1: basic game design: gaming loop, reading user input, etc.
- Class 5: Pygame project part 2: using classes in pygame to code enemies
- Class 6: Pygame project part 3: finishing up the project—sprite images, sound effects, and additional details

## **Contact Us:**

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