

ConcentrateAI

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INSPIRATION

- Increased diagnosis of ADHD every year.
- Trouble staying focused/awake to study.
- Need help staying concentrated.



OUR PROJECT

- Web app which detects when you are falling asleep/distracted while studying.
- Reminds you to stay concentrated using audio waves and bright colours.
- Stopwatch that shows you how long you've been studying.



DESIGN

- Minimalist Design to reduce distractions.
- Shades of blues which stimulates concentration.
- Red alert which prompts the user to go back to studying.



IMPLEMENTATION

- Multi Layered(3) Convolutional Neural Network (Python/Tensorflow).
- Trained with 2423 ,24x24 pictures for 10 epochs with an accuracy of 93.69%.
- HTML5/Javascript for the front end.



Demo Time

THANKS!

The image shows a computer screen with a desktop background featuring a blue gradient and white clouds. A window titled "Concentrate AI" is open in the foreground. The window displays a timer at "01:20:48". Above the timer are three buttons: "Start Studying", "Stop Studying", and "Reset". Below the timer is a cartoon illustration of a snow-capped mountain peak with a small figure at its base. At the bottom of the window, the text "GO BACK TO STUDYING" is displayed in red capital letters. In the top right corner of the desktop, there is a timestamp "18:44:36". The top bar of the desktop includes various icons and links such as "Apps", "YouTube", "Twitter", "Guitar Pieces", "Netflix", "Meilleures chaînes", "Kijiji Grand Montréal", "/r/LivestreamFail", "MonÉTS", "Microsoft Office Acc", and "E Natural Miport". On the left side of the screen, a video feed from a camera is visible, showing a man's face. A green rectangular box highlights the area around his eyes, and the word "Open" is written in green above it.