

# ADITYA THAKRAL

## University of Waterloo

Computer Science Honors Co-op

<http://a.ditya.me>

✉ [aditya.thakral@uwaterloo.ca](mailto:aditya.thakral@uwaterloo.ca)

🌐 <https://linkedin.com/in/99at8>

📄 <https://github.com/9at8>

## SKILLS

### PROFICIENT IN:

Python, Racket, Git, MySQL, HTML, CSS, Photoshop, Premier Pro

### FAMILIAR WITH:

Haskell, JavaScript, Shell, C, C++

### HARDWARE:

Leap Motion, Raspberry Pi

## EDUCATION

**B.CS. • 2016 – 2021**

**UNIVERSITY OF WATERLOO**

• Computer Science Honors Co-op

**AMITY INTERNATIONAL SCHOOL,  
GURGAON, INDIA**

• Grade 12 Cumulative: 92.2%

• Computer Science CBSE School  
Topper

## AWARDS

- **First Place**  
Electric City Hacks
- **Most Innovative Hack**  
Electric City Hacks
- **Top 10% in Euclid Contest**  
University of Waterloo
- **Best Educational Poster**  
The Global Times
- **Excellence in C.S.** – Grade 11  
Amity International School
- **Best Graphics (Twice)**  
The Global Times

## EXPERIENCE

**FRONTEND WEB DEVELOPER • ERIGERON ENERGY • JUN 2016 – AUG 2016**

- Managed and added features to their WordPress website
- Created E-forms and maintained mailing lists

**CHIEF GRAPHICS EDITOR • THE GLOBAL TIMES • JAN 2012 – JAN 2016**

- Created graphics, edited illustrations, and managed graphics editors for school newspaper using **Adobe Photoshop**
- Awarded **Best Graphics** twice
- Awarded **Best Educational Poster**

## PROJECTS

### SIGN LANGUAGE CONNVERTER

- Implemented **Google TTS**
- Wrote code to **identify words** using the **vector data** from the **Orion API**
- Uses a **Leap Motion** to identify Hand Gestures
- **Most Innovative Hack** and **First Place** at Electric City Hacks 2016

### PSYNK

- Synchronizes local files and folders using **Python 3.x** and the **shutil** library
- Maintains a config file to store a list of previous operations
- Features include **recursive merging** of directories

### EMERGENCY BROADCAST • SCIENCE 206 PROJECT

- Broadcasts Text messages as sound over the FM range
- Uses a **Raspberry Pi 2**, **Google TTS** and **Python 3.x**
- Can be used during emergencies

### PYMESSENGER

- A basic **text messenger** on the Local Area Network
- Uses **Python 2.7** and the **socket** library

### MYSQL MANAGER • HIGH SCHOOL PROJECT

- **Generates** and logs **MySQL queries** for tasks such as **creating, inserting, altering, or dropping** data from tables
- Uses **Python 2.7** and the **MySQL Connector** module

## ACTIVITIES

**TILT AMBASSADOR • UNIVERSITY OF WATERLOO • DEC 2016 – PRESENT**

- Got selected as a Tilt Ambassador and helped promote Tilt.

**CO-FOUNDER • CYBER CONGRESS • AMITY INT'L SCHOOL • JAN 2014 – JAN 2016**

- Spread awareness about Cyber Security and recommended steps to stay safe

**CO-FOUNDER & HEAD OF TECHNOLOGY • INDEPENDENT I • APR 2013 – MAR 2014**

- A group of 4 students from Amity International School – Gurgaon, India
- Taught and organized teaching lessons for unemployed women for vocational skills like baking, pottery, and salon skills.
- Created and maintained all the tech content.