# ADITYA THAKRAL

🌐 a.ditya.me
@ aditya.thakral@edu.uwaterloo.ca
in linkedin.com/in/99at8
github.com/9at8

## SKILLS

### LANGUAGES
Python, JavaScript – ES6, HTML5, CSS3, C, Racket, SQL, React, Haskell, Shell

### HARDWARE
Leap Motion, Raspberry Pi

### TOOLS
Git, Node.js, Express, Webpack, jQuery, Orion API, Firebase, Adobe Photoshop, Adobe Premier Pro

## EDUCATION

### UNIVERSITY OF WATERLOO
• 1B – Computer Science Co-op
• Sep 2016 – Apr 2021 (Expected)

### AMITY INT'L SCHOOL, INDIA
• Grade 12 Cumulative: 92.2%

## AWARDS

• First Place and Most Innovative Hack for Sign Language Translator at Electric City Hacks 2016 by Trent University
• Top 10% in Euclid Contest University of Waterloo
• Faculty of Mathematics Scholarship
• University of Waterloo President's Scholarship

## EXPERIENCE

### FRONTEND DEVELOPER                    GURUGRAM, INDIA
*Erigeron Energy*                         *Jun 2016 – Aug 2016*
• Developed a solar savings calculator using HTML5, CSS3, and JS
• Managed and added features to their WordPress website

## PROJECTS

### HANDLE
*React Native, JavaScript, Firebase*                  *January 2017*
• Developed a mobile app that reduces time wasted during grocery shopping by matching a person with someone else at the store who can home deliver groceries
• Implemented the authentication system

### SIGN LANGUAGE TRANSLATOR
*Python, Leap Motion, Orion API, Google TTS*          *Nov 2016*
• Led a team to build an award-winning Python application that translates American Sign Language to Speech and Text, to make communication for mute people easier
• Analyzed raw vector data of position of hands using a Leap Motion to output meaningful words as text and speech using Google TTS

### SYNK
*Python, Google Drive REST API*                       *Ongoing*
• Synchronizes files and folders both offline and cloud (Google Drive)
• Maintains a JSON file to store a list of directories to synchronize
• Implemented recursive synchronizing of directories

### EMERGENCY BROADCAST
*Python, Raspberry Pi 2, Google TTS*                  *Nov 2016*
• Broadcasts Text messages as sound over the FM range
• Modified the transmitter antenna on the Raspberry Pi to broadcast Radio Signals along all three axes, leading to better signal quality

## ACTIVITIES

### OFFICE STAFF                          WATERLOO, CANADA
*CS Club, UWaterloo*                      *Jan 2017 - Present*
• Managing the CS Club database

### CHIEF GRAPHICS EDITOR                 GURUGRAM, INDIA
*Amity International School*              *Jan 2012 – Jan 2016*
• Created and edit graphics using Adobe Photoshop, and managed graphics editors for high school newspaper

### CO-FOUNDER                           GURUGRAM, INDIA
*Cyber Congress – Amity Int'l School*     *Jan 2014 – Jan 2016*
• Spread awareness about cyber security and recommended certain steps to stay safe online

### VOLUNTEERING                         GURUGRAM, INDIA
*Independent I*                          *Apr 2013 – Mar 2014*
• Taught and organized teaching lessons for vocational skills like baking, pottery, and salon skills to help unemployed women