

ADITYA THAKRAL

University of Waterloo

Computer Science Honors Co-op

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SKILLS

PROFICIENT IN:

Python2 and Python3, 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 • JUNE 2016 – JULY 2016

- Made a Solar Savings Calculator using **HTML5, CSS3 and JS**
- Managed and added features to their WordPress website
- Created E-forms
- Created 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**

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

- Independent I – A group of 4 students of Amity International School focused on Women Empowerment, by teaching them certain skills like baking, pottery, and salon skills
- Awarded **Best Creative Communication** by The Global Times

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

EMERGENCY BROADCAST – SCIENCE 206 PROJECT

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

PSYNK

- Synchronizes local files and folders using **Python 3.5** and the **shutil** library
- Maintains a config file to store a list of previous operations
- Features include **recursive merging** of directories

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

SCHOOL MANAGER – HIGH SCHOOL PROJECT

- Stores information such as name, username, email, phone number, department and last login time in text files
- Uses **Python 2.7**