ADITYA THAKRAL

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SKILLS

LANGUAGES
Python, Racket, HTML5, CSS3, JavaScript, Haskell, SQL, C, C++, Shell, React Native

HARDWARE
Leap Motion, Raspberry Pi

TOOLS
Git, Adobe Photoshop, Adobe Premier Pro, Orion API, Firebase, Flask

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 – Present*
• Developed a mobile app that reduces time wasted during grocery shopping by matching a person with someone else at the store who can 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   *Apr 2016 – Present*
• 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