

# Melarkode Adityan

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## EDUCATION

### B.S. COMPUTER SCIENCE

### B.A. MATHEMATICS

STATE UNIVERSITY OF NEW YORK

UNIVERSITY AT BUFFALO

GPA 3.873 out of 4.0

Placed in Dean's List

Expected Dec 2017 | Buffalo, NY

### BITS PILANI - INDIA

MAJORED IN MATHEMATICS

Undergraduate transfer program

### AISSCE

All India Senior Secondary Certificate Examination

96.33 out of 100

## LINKS

Website:// [msadityan.com](http://msadityan.com)

Github:// [DrAwkward2592](https://github.com/DrAwkward2592)

LinkedIn:// [msadityan](https://www.linkedin.com/in/msadityan)

## COURSEWORK

Cybersecurity

Data Oriented Computing

Machine Learning

Programming Languages

Theory of Computation

Digital Systems

Computer Organization

Data Structures

Software Engineering

Numerical Analysis

Discrete Mathematics

Graphs and Networks

Linear Algebra

Operations Research

Optimization

Elementary Real Analysis

Differential Equations

Integral Equations

Probability and Statistics

## AWARDS

### KVPY SCHOLARSHIP

Prestigious scholarship by Govt. of India

### BLACK BELT IN KARATE

## EXPERIENCE

### TRADING TECHNOLOGIES INTERNATIONAL INC

SOFTWARE ENGINEERING INTERNSHIP | CHICAGO, IL

June 2016 – August 2016

- Created, ran and maintained automated unit tests based on the company's algorithmic trading product called ADL.
- Increased test coverage by 200%.
- Created and deployed custom algorithmic trading algorithms.
- Extended the framework to add more unit testing functionalities.

### STATE UNIVERSITY OF NEW YORK AT BUFFALO

RESEARCH ASSISTANT | BUFFALO, NY

Feb 2016 - June 2016

- Wrote scripts to test and analyse data on power usage by services like WiFi and GPS on Android OS.
- The scripts were used on a new implementation to accurately account for the asynchronous usage of resources in mobile systems.

### KWANZOO INC

WEB DEVELOPER INTERNSHIP | SAN FRANCISCO, CA

Dec 2015 – Feb 2016

- Redesigned the company's website in Wordpress, HTML and CSS.
- Designed product mockups using Adobe Photoshop and Balsamiq Mockups.

### GOOGLE SUMMER OF CODE 2015

SOFTWARE ENGINEERING INTERNSHIP | VADODARA, INDIA

May 2015 – Aug 2015

- Selected as one of the 1051 students from 73 countries in the world.
- Developed support for constellation artwork in KStars, an open source planetarium software under the KDE education project.
- Worked with C++ and the Qt Framework to draw constellation images.
- All code was reviewed, perfected, and pushed to KStars' git repository.

## PROJECTS

### TUTR

Django Rest Framework, Python, AngularJS, Ionic Framework

Developed an app to match students to tutors for tutoring sessions. Added support to include discovering nearby tutors, payment integration with PayPal, and ability to login with Facebook OAuth.

### MAZE LABYRINTH GAME

Java, Eclipse IDE, Git, Javadocs

Developed the popular Maze Labyrinth Game using Java. Worked in a team of 3 people. Developed the board GUI using Java Swing framework.

## SKILLS

Java, Python, C++, C, HTML, CSS, Javascript, MySQL, Git, Wordpress, JIRA, Vim, Adobe Photoshop, After Effects, Android, Ionic Framework, Shell scripting