

# Anantha Natarajan S

<http://ananth.co.in> | [sanathanatarajan12@gmail.com](mailto:sanathanatarajan12@gmail.com)  
+1 347-506-5917 | Brooklyn, NY

## EDUCATION

**NEW YORK UNIVERSITY**  
M.S IN COMPUTER SCIENCE  
Aug 2016 - Dec 2017  
GPA: 3.7/4.0

**NATIONAL INSTITUTE OF TECHNOLOGY - TRICHY**  
B.TECH IN METALLURGICAL AND MATERIALS ENGG  
Aug 2012 - May 2016  
Cum. GPA: 7.62

## LINKS

Portfolio:// [ananth.co.in](http://ananth.co.in)  
Github:// [sananth12](https://github.com/sananth12)  
LinkedIn:// [sananth12](https://www.linkedin.com/in/sananth12)  
Codechef:// [sananth12](https://www.codechef.com/sananth12)  
Blog:// [blog.ananth.co.in](http://blog.ananth.co.in)

## SKILLS

### PROGRAMMING

Over 5000 lines:

Java • Python • C++

Over 1000 lines:

PHP • Nodejs • Javascript

Shell • C#

Familiar:

Git • Dart •  $\LaTeX$  • SQL

HTML & CSS

Tools:

Eclipse • Visual Studio • Emacs •  
Microsoft Azure • Android Studio

## COURSEWORK

### GRADUATE

Machine Learning  
Programming for Big Data  
Network Security  
Interactive Graphics  
Design & Analysis of Algorithms  
Principles of Databases  
Artificial Intelligence  
Neural Networks  
Human Computer Interaction

### UNDERGRADUATE

Basics of Programming  
C++ and Unix  
Numerical Techniques  
Pattern Recognition

## EXPERIENCE

### FACEBOOK | SOFTWARE ENGINEER

March 2018 - Present | Menlo Park, California

- Product engineer on the Charitable Giving team, building products for fundraising on Facebook and Instagram.

### FACEBOOK | SOFTWARE ENGINEERING INTERN

May 2017 - August 2017 | Menlo Park, California

- Worked on the Enterprise Products Core team, where I built an internal tool for recruiting products which deprecated Facebook's dependency on a third-party API saving the company \$X00,000/year.

### MICROSOFT | MACHINE LEARNING INTERN

May 2016 - July 2016 | IDC Hyderabad

- Conducted large scale mining and classification of over 800TB Bing search and video logs to generate an index of custom ranked high quality, relevant videos for consumer products.
- Model achieved 98.3% coverage, and index quality rivals Bing's video vertical results for product queries.

### GOOGLE | SOFTWARE ENGINEERING INTERN

June 2015 - Sept 2015 | Orange County, California

- Collaborated with the Tools and Infrastructure team primarily in Java to plan, design and develop an automatic language agnostic unit test generator.

## RESEARCH

### NEW YORK UNIVERSITY | RESEARCH ASSISTANT

Sept 2016 - May 2017 | New York City

Developing an interactive learning platform for the Fire Department of New York.

### NIT TRICHY Dec 2015 - May 2016

Developed machine learning models to estimate the band gaps of binary compounds using known chemical and physical properties. Model achieved a MASE of 0.265eV.

## PROJECTS

### IMAGESCRAPER | MAY 2014 - PRESENT

<https://github.com/sananth12/ImageScraper>

A high performance image scraper written in Python with over 20,000 downloads in PyPi. Currently Github's most popular open source image scraping tool.

- Featured in Github's Trending Python repositories twice.
- Used multi-threading for image downloads thereby optimizing speeds by 75%.

### FIRENOTES | MAR 2015 - MAY 2015

<https://github.com/delta/NotesSharing>

Python Flask web app for students to upload, view, and share notes.

### RESULTS STATISTICS | JULY 2014

Built a website which displays course wise statistics of student's performance.

## AWARDS

2015 Winner CodeBrunch, ACM - NITT Chapter  
2014 Winner CodeSurf, Vortex NITT  
2014 Runner InCTF a national level Capture the Flag contest