

# Anantha Natarajan S

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## 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 •  $\text{\LaTeX}$  • 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 ENGINEERING INTERN**  
May 2017 - August 2017 | Menlo Park, California

- Enterprise Products Core

**MICROSOFT | MACHINE LEARNING INTERN**  
May 2016 - July 2016 | IDC Hyderabad

- Conducted large scale data mining, text analysis 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 a automatic language agnostic unit test generator.
- Learned and followed Google's development process, wrote high coverage unit tests, used Google's build/test/integration tools.

## 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.

**STANFORD UNIVERSITY | HUMAN COMPUTER INTERACTION LAB**

May 2015 - Jan 2016 | Palo Alto/Remote

Partnered with Stanford Crowd Research team in the design and development of a next generation crowd sourcing platform. Our abstract was accepted at ACM UIST'15.

**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