

Anantha Natarajan S

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EDUCATION

NEW YORK UNIVERSITY
M.S IN COMPUTER SCIENCE
Aug 2016 - Dec 2017

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
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

SKILLS

PROGRAMMING

Over 5000 lines:

Java • C • C++

Over 1000 lines:

PHP • Python • Javascript

Shell • C#

Familiar:

Git • Dart • \LaTeX • SQL

HTML & CSS • Node

Tools:

Eclipse • Visual Studio • Emacs •

Microsoft Azure • Android Studio

COURSEWORK

GRADUATE

Network Security

Interactive Graphics

Design & Analysis of Algorithms

Machine Learning

Computer Vision & Scene Analysis

Programming for Big Data

UNDERGRADUATE

Basics of Programming

C++ and Unix

Numerical Techniques

Pattern Recognition

INDEPENDENT

Software Testing

Object Oriented Design Patterns

Natural Language Processing

EXPERIENCE

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 | 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.

BOOK SEARCH | JAN 2014 - MAY 2014

Built a website which uses Solr, a high performance server built using Apache Lucene core to index and search over 5000 books in less than a second.

AWARDS

2015 Winner CodeBrunch, ACM - NITT Chapter

2014 Winner CodeSurf, Vortex NITT

2014 Runner InCTF a national level Capture the Flag contest

2014 Top 100 Ranked among the Top 100 coders in India at Codechef.com