Anantha Natarajan S

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EDUCATION

NEW YORK UNIVERSITY
M.S in Computer Science
August 2016

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**
LinkedIn:// **sananth12**
Codechef:// **sananth12**

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

UNDERGRADUATE

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

INDEPENDENT

Data Structures
Algorithms: Design and Analysis
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

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
2013	National	ACM International Coding League, BITS Pilani