Animesh Gupta

CONTACT INFORMATION	**Current Address** 700 Health Sciences Drive Chapin Apartments D-2061B Stony Brook, NY-11790	**Further Contact info:** Email : animesh.gupta@stonybrook.edu animesh.nitkkr@gmail.com Phone : (631)-974-3020 LinkedIn : www.linkedin.com/in/animeshh

OBJECTIVE

Looking for Summer Internship opportunity (starting from 25th May'2015), anywhere in USA

EDUCATION

Stony Brook University, Stony Brook, NY   Aug '14 - Dec'15 (Expected)
*Masters in Science, **Computer Science***

Coursework: Operating Systems, Data Analytics, Natural Language Processing, Analysis of Algorithms, Artificial Intelligence, Wireless and Mobile Networking

National Institute of Technology, Kurukshetra, India   *July '07 - June'11*
*Bachelor of Technology, **Information Technology***   ***85.80%** **(Distinction)***

COMPUTER SKILLS

Programming Languages: C, C++, Java, SQL
Scripting: DistAlgo, Python, Bash/Shell, TCL/OTCL
Database: MySQL 4.0, Oracle 10g, Vertica 7.0 (Academic experience)
Technologies and Tools: Python data science libraries, Stanford Parser and NLTK, R, Linux, Hadoop, Map Reduce, Flask, HTML, XML, CSS
Version Control: Git, SVN

PRIOR EXPERIENCE

Fulltime Senior Software Engineer, Samsung Research India-Bangalore   *July '13 - July '14*
Roles and Responsibilities**:**

- Used Apache Mahout and Hadoop to identify clusters for real time data like RSS feeds, Google news etc.
- Implemented "android package manager" module for communication between Samsung mobile and Smart watch
- Responsible for optimizing code and handling issues related to Installing and Uninstalling of Android apps from phone to Galaxy Gear Smart watch running on Tizen OS

Fulltime Software Engineer, Mediatek India Pvt. Ltd   *June '11 – March '13*
Roles and Responsibilities**:**

- Worked 2 years in Mobile Application development with Mediatek India for feature phones running Nucleus OS
- Contributed in designing, building, debugging and testing various Instant Messaging Mobile apps using MAUI Run-Time Environment (MRE) SDK and Mobile Simulator for feature phones
- Developed various mobile applications at View-Model level in C/C++ including Yahoo Messenger and Facebook
- Created various Design Flow Diagrams(DFDs) for mobile apps using Microsoft Visio

ACADEMIC PROJECTS

Natural Language Processing – Word Sense Disambiguation   *Spring '15*
Working towards achieving better accuracy in Natural language processing by finding solution for this WSD problem. Tools used to implement the algorithm are NLTK and Stanford Parser.

Operating Systems - Loadable Kernel Module   *Fall '14*
Implemented key Kernel features in JOS-64 Bit Operating System**,** Boot-loader, Paging, Memory Management techniques. Support for various advance features of Loadable Kernel Module in JOS

Wireless and Mobile Networking – Cellular Localization System   *Fall '14*
Design and implemented machine learning algorithm to identify the location of the mobile user using Cellular Signals instead of GPS. Generate model in python for predicting correct real time location of the user on the basis of Measurement data used to train the model

Data Analytics – Clustering of Pathological image data   *Fall '14*
Identified new vector features related to polygons on segmented image data and developed an interactive web program using Flask, JavaScript to display the cluster of these features obtained from Hadoop running k-means clustering algorithm.

Research Project (Trinity College Dublin, Ireland) - Real Time Sensor   *March '13 - July '13*
Arduino based embedded project for Real Time Sensor using Atmega328 development board, IR sensor, Buzzer, LED. Design algorithm and implement this in extended C programming language and tested for real time scenarios like intelligent real-time parking sensor

Stock Analysis and Pattern Generator Tool   *Aug '10 – Dec '10*

Using R-Language and tools, developed statistical model to identify relationships between different stocks based on their historical data and generate patterns for future.

Platform Independent Download Manager   *Sept '09 - Dec '09*

Implemented Operating system independent download manager in Java programming language with features like automated and scheduled downloading with the help of Linux and shell scripts. Use of multi-threading in the programming for simultaneous downloading from multiple connections

NVIDIA's CUDA workshop   *June '08*

Understood NVIDIA's parallel computation architecture called CUDA. Achieve GPU acceleration through Implementation of CUDA concepts by using NVIDIA's extended C/C++ programming language

Ethical Hacking Tools and Techniques   *March '08 - April '08*

Identification and prevention from common hacking techniques like Denial of Service attacks, SQL Injection worms, Sniffing, Google Hacking etc. Tools used WireShark, Kismet, Keylogger etc.

ACHIEVEMENTS *Leadership Skills*

Elected as "**CARA Executive Board Member**"   *Sept 14 - May '15*

Working (paid position) for the Welfare of the "Chapin Apartment Resident Association" On Campus Society

President – "Audio Visual Aids" Committee   *July '10 - June '11*

Organized various technical and culture college events at state and national level during my undergraduate college in final year.

Awards

- Samsung **Spot Award** in May 2014 for outstanding contribution and successful completion of Galaxy Gear 2 Smart Watch project.
- Mediatek '**V Award'** in Feb 2013 for contribution in various projects and mentoring other team members
- **First Prize** (Acer Laptop) in Digit-Open Solaris Operating System Quiz   April '10
- Secured **Second Position** in National Level Science Talent Search Examination   March '07

HUMAN SKILLS Can fluently speak and write in **ENGLISH** and **HINDI**

ONLINE PROFILE **Github** :   https://github.com/animeshh

LinkedIn : www.linkedin.com/in/animeshh

Latest :   www.tinyurl.com/animesh-resume
Resume