Parag Gupta

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Date Of Birth : March 20, 1993

Education

Bachelor of Technology, Computer Science and Engineering 2010-2014
International Institute of Information Technology - Hyderabad
Current status : 4th year (7th semester)
CGPA : 7.75 / 10

Senior Secondary schooling , Class 12th 2009-2010
Morning Star Higher Secondary School, Ratlam , India
Percentage : 90.8 %

Interest

Web development, Algorithms, Problem solving, Computer Networks, Data mining and information extraction.

Experience

Internships :

- *Groupon India Private Limited* Summer 2013
  → *Ruby on Rails, Backbone.js , Bootstrap, Coffeescript, Mysql, HTML, CSS, Rspec and Jasmine unit testing tools*

  Developed an internationalized and localized web application, internally used by the company over 40+ countries to enhance *customer relationship management.* Developers team size: 4

- *Aasaanpay Solutions India Private Limited* Spring 2013
  → *Amazon AWS, Python, Android, Java, Infrastructure*
  Setted-up PCI complaint infrastructure on cloud and developed user interface for the company's android application.

Teaching Assistant *at IIIT-Hyderabad:*

- IT Workshop Monsoon 2013
- Computer System Organization Spring 2013
- Structured Systems Analysis and Design Monsoon 2012

Major Projects

Risk-assessment of loan applications using Classification
Mentor: Kamalakar Karlapalem
→ *Data mining, Classification, Weka, Python*
Built a classifier model to categorize loan applications according to its associated risk-factor, into different 'Loan Grades' and impose interest rates accordingly.

Information Leak using ICMP protocol Mentor: Shatrunjay Rawat
→ *C, Python, pthreads, BSD Sockets, Security*
This project aims at transferring data packets using ICMP protocol. Study the security loopholes associated with ICMP and measures to prevent any such security attacks. (Use of wire-shark, Iptables, ICMP tunneling, etc.) (Team size: 2)

Entity Based Opinion Mining from Blogs   Mentor: Vasudev Verma
→ *Java, Eclipse, Stanford NLP toolkit, Sentiment Analysis, Opinion Mining, Object Identification, Opinion Summary*   (Team size: 2)
It attempts to identify objects being talked about in the blog and the opinion(sentiment) that the author expresses towards them which can further be summarized. Based on *"Entity Centric Opinion Mining from Blogs"* published in Coling-2012.

Wikipedia Search Engine   Mentor: Vasudev Verma
→ *CPP/C++ , Python, Bash script, Information extraction, XML, Tf-idf*
Designed a scalable and efficient wikipedia dataset search engine supporting 5 field queries building multi-level indices for faster search.

Compiler Optimization Phase Sequence Search Engine
Mentor: Suresh Purini
→ *Python, GCC, llvm, Hill Climbing algorithm (heuristic search)*
It aims to find out optimal compilation phase sequence for llvm and gcc compilers irrespective of input and the program.

Minor Projects   **API addition in OpenStack Nova-Client**   Mentor:Prasad Saripalli
→ *Python, OpenStack, Cloud, libvirt, Virtualization*
OpenStack is a Cloud operating system. Added an API in Nova-client of Openstack using libvirt to dynamically add/remove memory from live Virtual machines.

Room Reservation Web Application   Mentor: Y Raghu Reddy
→ *PHP, HTML, CSS, AJAX, Javascript, Mysql, Web development*
Built and deployed web application for room booking in IIIT-Hyderabad.

Skill Set

Operating system	Linux/Unix, Microsoft Windows, Mac OS X
Languages	C, C++/CPP, Python, Ruby, PHP, Javascript, Scheme, Latex, Bash, Java, ARM-assembly
DBMS	Mysql
Programming Environment	Vim, eclipse, Sublime Text, DrRacket
Web Development	HTML, CSS, Javascript, Web2py, Ruby on Rails, Backbone, Jquery, Bootstrap
Testing Tools	Rspec , Jasmine
API's/softwares/tools	Amazon AWS(S3, EC2), Openstack, REST, Wireshark, Cisco Packet Tracer, OpenGL, Pthread, Libvirt, Git, Svn, Weka, Gephi

Achievements

- Competed in ACM - International collegiate programming contest, Asia Regionals three times.   (Team size: 3)
- Rank 3316 in IIT-JEE and Rank 2026 in AIEEE   2010
- IIIT-Hyderabad Dean's award II and III for academic excellence.   2010-2011

Extra-Curricular Activities

Cultural Advisor, IIIT-Hyderabad	2013-Present
Cultural Secretary, IIIT-Hyderabad	2012 - 2013
Coordinator, IIIT-Hyderabad's chapter of *Spic-Macay*	2012 - 2013
Dance Club Head, IIIT-Hyderabad	2011 - 2013

The above information is correct to the best of my knowledge.
Updated on : November 28, 2013   - Parag Gupta