SAUMYA DWIVEDI

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EDUCATION

Georgia Institute of Technology, *MS Computer Science (GPA 4.0/4.0)*   *Expected Dec 2016*
- Graduate Research Assistant, College of Computing. (Programming Languages and equivalence)
- Web Developer Georgia Tech IDCD and Expo projects (Ruby on Rails, Javascript, Postgres)
- Courses – Computer Networks, Programming Languages, Software Engineering, Advance Operating System, Web Security and Text Mining, Database Systems

IIIT - Hyderabad, *Bachelor of Technology – Computer Science (GPA 8.19/10)*   *2010- 2014*
- Recipient of *Dean's Merit Award* 2012, 2013, 2014.
- *Special Commendation Certificate* for contributions and promotions of university services.
- Teaching Assistant in courses System and Network Security, Software Analysis and Development.
- Coordinator and core volunteer, Kalakshetra – Campus Art and decoration club.

WORK EXPERIENCE

Groupon Inc, *Software Development Engineer (Aug '14 – Jul '15), Intern (May – Jul '13)*
- Member, Booking Engine: Implemented notification model in booking widget for customer communication.
- Member, APAC development: Launched web message service in APAC countries to extend reachability.
- Member, Hawk Analysis: Built customer data curation and analysis application with RoR and mongoDB.

The GNOME Foundation, *Web developer Intern*, *Outreach Program for Women*   *Jul – Sept '13*
- Implemented responsive design in Gnome website , bug fixes and documentation.
- Project presentation talk in GUADEC Conference 2013, Czech Republic, Europe.
- Registration flow and Payment Gateway for GUADEC 2014; other bug fixes.

ConveGenius Edu Solutions Pvt. Ltd., *Software Developer (Intern)*   *2012*
- Customized open source LMS Dokeos for use as a standalone Desktop LMS in Indian education scenario.

PROJECTS AND RESEARCH

Document search using NoSQL solution
- Application to query and optimally retrieve relevant research documents- item based recommendation model.
- Simple, intuitive UI with multiple search criteria implemented with Django, Haystack and ElasticSearch server.

Design, Implementation and Management of DNS server
- Implemented a DNS server with BIND, authoritative for a single domain and forwarding for the rest.
- Minor cache implementation with a feature of load balancing across multiple service addresses.

Leak Information using ICMP
- Research project based on studying the security loopholes associated with ICMP and reliable data transfer.
- Built ICMP chat and file transfer applications. Extended the study to cover ICMPv6 and IPSec. *Team Size: 2*

On Demand Hadoop
- Project exposed Hadoop on cloud via OpenStack and EC2 API's . *Team Size: 4*
- Provides customizable options to run Hadoop jobs on multiple virtual machines and extract their details.

SKILL-SET

- Proficient : Python, C, C++, Ruby on Rails, JavaScript, Ajax, HTML, MySQL, Bootstrap, Wireshark, Django
- Prior Experience: Java, Redis, Hadoop, PostgreSQL, PHP, Bash, Web HDFS, Openstack, BIND, Jersey

ADDITIONAL INTERESTS AND ACHIEVEMENTS

- All India Engineering Entrance Examination 2010, Ranked 1518 amongst 10 million applicants.
- *Technical Book Review:* Packet Tracer Network Simulator - Jesin A, Responsive Web Design- Thoriq Firdaus.
- Ranked 91st in *ACM-ICPC Amritapuri Asia Regionals* Online Coding Contest 2012.
- Table Tennis, carrom enthusiast.