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RAHUL PASUNURI
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EMPLOYMENT

School of Informatics & Computing, Bloomington, IN.   August 2014 – Present
Associate Instructor.
- Associate Instructor for the course **Information Infrastructure II.** (Python, CGI, T-SQL)

S&P Capital IQ, Gurgaon, India.   July 2013 – July 2014
Software Engineer.
- Developing a system to do **Auto Extraction** of Financial Data from documents of various formats like PDF, Excel, Text, XML.
- Implemented a system for the **extraction of text** from PDF documents, while preserving the **reading order**, with the help of various open-source projects.

Yahoo! Inc, Bangalore, India.   Summer 2012
Software Engineer, Intern.
- Creation of a **testing framework** for a system (called 'Duplo'), which dynamically handles feature phone requests.

EDUCATION

Indiana University, **Bloomington**, IN   August 2014 - Present
Master of Science in Computer Science.

Indian Institute of Technology – Guwahati (**IIT – Guwahati**)   August 2009 – May 2013
Bachelor of Technology in Computer Science and Engineering.
Cumulative GPA: **7.48** (on scale of 10).

ACADEMIC PROJECTS (*https://github.com/rahulpasunuri/*)

- Analyzed of various boosting algorithms, for **Viola – Jones faces detection** method on various metrics(using OpenCV).
- Implemented Jarvis-Patrick algorithm using **Map-Reduce** paradigm in **Hadoop** and contributing the same to Apache Mahout.
- Designed simple **OpenGL graphics** using own procedures for Modeling, Transformations, Clipping, Lighting and z-Buffering.
- Developed an automatic **sentiment classifier** to deduce the sentiment of user reviews on movies using machine learning techniques.
- Implemented a fully functional **port scanner**, which can infer status of the ports using various TCP and UDP scan techniques in a multi-threaded way.
- Implemented a simplified version **BitTorrent client,** which can be used to transfer files handling multiple leechers and mutliple seeders(in a team of 2).

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Member of **Organizing committee** and the **Webmaster** of Techniche-2011, North-East India's **largest Technical festival**, with a budget of over 6 million INR.
- Honoured with **CBSE Merit Scholarship** for four consecutive years.
- Got into the **Top 1 %** in both **National Physics Olympiad** (2009) and **National Chemistry Olympiad** (2010), competing against around 40,000 people.
- Secured **19th** rank in Sir C.V. RAMAN '**YOUNG GENIUS' AWARDS** (2006-2007).
- Secured a rank of **1124** out of 0.5 million students in the exam **IIT-JEE**.
- All India Rank of **149** (of .70 million) in AIEEE (All India Engineering Entrance Examination).

TECHNICAL SKILLS

Languages: C; C++; C#.NET; T-SQL; Python; PHP; Java; HTML; Bash; XML,JavaScript.
DataBases: MYSQL, T-SQL
Tools & Utilities: Visual Studio; Microsoft SQL Server; Joomla; PHPUnit; LaTeX; Dreamweaver.
Platforms: Linux, Microsoft Windows.