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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.
Cumulative GPA: 4.0 (on scale of 4).

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/>)

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

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.
- Honored with **CBSE Merit Scholarship** for four consecutive years.
- 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).
- Got into the **Top 1%** in **National Physics Olympiad** (2009) and **National Chemistry Olympiad** (2010), competing against around 40,000 people.

TECHNICAL SKILLS

Languages: C, C++, C#.NET, T-SQL, Python, PHP, Java, HTML, Bash, XML, JavaScript,.

Tools & Utilities: Visual Studio, Microsoft SQL Server, Joomla, PHPUnit, LaTeX.

Platforms: Linux, Microsoft Windows.