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RAHUL PASUNURI
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EMPLOYMENT

Amazon, Seattle, WA.

Software Development Intern.

Summer 2015

- Developing a distributed and scalable monitoring application, which collects statistics of the scaling activities of all the load balancers.

School of Informatics & Computing, Bloomington, IN.

Associate Instructor.

August 2014 - December 2014

- Associate Instructor for the course **Information Infrastructure II**. (Python, CGI, T-SQL)

Research Assistant.

January 2014 - Present

- Developing a model which can take advantage of extra information to perform hypothesis search in Machine Learning.

S&P Capital IQ, Gurgaon, India.

Software Engineer.

July 2013 - July 2014

- 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.

Software Engineer, Intern.

Summer 2012

- 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 various boosting algorithms, for **Viola - Jones face detection** method on various metrics (using OpenCV).
- Designed simple **OpenGL graphics** using own procedures for Modeling, Transformations, Clipping, Lighting and z-Buffering.

TECHNICAL SKILLS

Languages: C, C++, Java, C#.NET, Python, PHP, HTML, JavaScript, My-SQL.

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