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RAHUL PASUNURI
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EMPLOYMENT

LongView International Inc., Los Altos, CA**.**   *Spring 2016*
Text Analytics Intern.
- Developing a software which can automatically extract relevant data from financial documents, using various **NLP** and **Machine Learning** techniques.

Amazon, Seattle, WA.
Software Development Intern.   *Summer 2015*
- Developing a distributed and scalable monitoring application, which collects and presents activity statistics of all the load balancers, with the help of various AWS services.

School of Informatics & Computing, Bloomington, IN.
Research Assistant.   *Jan 2015 - May 2016*
- Implemented Counting Belief Propagation to perform **fast inference** on factor graphs.
- Developed models which can take advantage of extra information available only during training (*Privileged Information*) to learn better Machine Learning models

S&P Capital IQ, Gurgaon, India.
Software Engineer.   *July 2013 – July 2014*
- Developing a system to extract financial Data from documents of various formats like PDF, Excel, Text, XML using hand-coded regular expressions.
- Implemented a system for the **extraction of text** from PDF documents, while preserving the **reading order**, using various open-source projects.

Yahoo! Inc, Bangalore, India.
 Software Engineer, Intern.   *Summer 2012*
- Creation of a **testing framework** to dynamically handles feature phone requests.

EDUCATION

Indiana University Bloomington, IN   *Aug 2014 – May 2016*
*Master of Science in Computer Science. Cumulative GPA: **4.0** (on scale of 4).*
Masters Thesis: Learning with Privileged Information: Decision-Trees and Boosting.

Indian Institute of Technology (IIT) – Guwahati, India   *Aug 2009 – May 2013*
*Bachelor of Technology in Computer Science & 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 and **AI agent** for solving Checkers game using minimax search with Alpha-Beta pruning and a hand-tuned utility fucntion for the states.
- Implemented a **self-learning AI** agent to solve Tic-Tac-Toe game using Q-learning.
- Developed a system to automatically count coins using various **computer vision** techniques.
- Implemented a simple **network packet analyzer** which shows detailed analysis of packets.
- 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.

TECHNICAL SKILLS

Languages: C, C++, Java, Python, C#.NET, PHP, HTML, JavaScript, My-SQL.
Tools & Utilities: Microsoft SQL Server, Joomla, PHPUnit, LaTeX.