

1309 Spring St, #302
Madison WI 53715
Phone : (608)772-2316

ASHISH V SHENOY

pages.cs.wisc.edu/~ashenoy
ashenoy@cs.wisc.edu
ashishvs.in

EDUCATION

University of Wisconsin-Madison	Madison, WI	Fall 2015 – Spring 2017
<ul style="list-style-type: none">M.S. in Computer Science, May 2017*, GPA: 4.0/4.0Courses: Machine Learning, Data Science, Computer Vision, Computer Networks, Big Data Systems, Pattern Recognition		
R. V. College of Engineering	Bangalore, India	Fall 2009 – Spring 2013
<ul style="list-style-type: none">B.E. (Computer Science), May 2013, GPA: 9.45/10.0, GRE: 336, Branch Topper		

EXPERIENCE

Software Development Intern	Amazon Web Services, Seattle	May 2016 – Aug 2016
<ul style="list-style-type: none">Built an internal build tool to automate deploy and backup of Apex components in Salesforce platform for the AWS Partner Systems Team.		
Software Development Engineer	NetApp, Bangalore	Aug 2013 – Jul 2015
<ul style="list-style-type: none">As a full-stack developer, designed and developed features for OnCommand Performance Manager and OnCommand System Manager.Worked primarily with Java, Spring, AngularJS and MySQL.Received "Spot Award" and "Rising Star" award for bringing down the backlog of customer found defects from 30 to 0 during ramp up in 2014.Built an Android prototype called "NetApp SMART" to automate storage provisioning workflows.		
Software Development Intern	NetApp, Bangalore	Jan 2013 – Jul 2013
<ul style="list-style-type: none">Designed and developed a test automation web tool for the FAS Systems Group (FSG). Cut down test script execution time by order of hours.The tool was primarily built using PHP, Perl, HTML, JavaScript and MySQL.		

RESEARCH EXPERIENCE

Research Assistant	University of Wisconsin-Madison	Aug 2015 – May 2016
<ul style="list-style-type: none">Worked with Prof. Barton Miller on Project SWAMP, a web app that provides a lab of static analysis tools to test security and quality of code.Optimized and re-designed result parsing module, improving its efficiency by over 70% for all tools. Link: mir-swamp.org/-/tools/public		
Research Assistant	University of Wisconsin-Madison	Aug 2016 - Present
<ul style="list-style-type: none">Working with Prof. Nicole Werner on HelpCare Connect, a web and mobile app to help informal caregivers network and share information.Investigating leveraging Machine Learning techniques on both these projects to improve personalization and finding behavioral patterns.		
Research Assistant	Indian Institute of Science, Bangalore	Jun 2012 – Aug 2012
<ul style="list-style-type: none">Worked with Prof. A.G. Ramakrishnan in designing an evaluation tool and an android app for OCR Engines and Text-To-Speech Engines for Kannada and Tamil. Leveraged NLP techniques such as sentence boundary detection and tokenization.		

SELECT PROJECTS

- Semantic Vertical Search Engine** (May 2013): Final year project during undergrad. This project involved building a Focused Crawler, Text Classifier, Indexer and Page Ranking algorithm. Managed to have a functioning vertical search engine for the university.
- MATRIX - (Matching, Analysis, Text Retrieval and Information Extraction)** (Nov 2015): Performed information extraction and entity matching on data sets from Yelp and Zomato. Applied learning methods such as Randomized Forest and Naïve Bayes for matching two same restaurants in both these websites. Obtained a 97.44% Precision and Recall on unseen data. Link: <http://pages.cs.wisc.edu/~ashenoy/CS784/>
- Machine Learning Project** (Sep-Dec 2015): Designed a system to predict the outcome of a cricket match by learning feature sets from statistics in CricInfo.com using Randomized Forest, k-means clustering and Elo rating. Achieved an accuracy of 63.6%, while the state of the art was 65%.
- Automated View Morphing** (Apr 2016): This was a major project in Computer Vision course. Attempted to improve the state of the art in view morphing process to produce realistic image transformations. Optimized the corresponding point selection of given input images without having any prior information about the 3D structure of the object in the image using SIFT. Link: <http://pages.cs.wisc.edu/~ashenoy/CS766/>
- Bokwas.com** (Apr 2013): An anonymous social networking mobile app that integrates Facebook with a wrapper network of anonymous posts. Link: <https://play.google.com/store/apps/details?id=com.bokwas&hl=en>
- PageRanking, Structured Streaming and Twitter Stream processing using Spark and Apache Storm** (Oct 2016): Developed a PageRanking application using Scala Spark on a Hadoop cluster for the Berkeley-Stanford Web Graph dataset. Experimented with custom partitioning of the RDDs, analyzed and fine tuned the performance. Also, wrote a simple Scala application that emits the number of retweets (RT), mention (MT) and reply (RE) for an hourly window that is updated every 30 minutes based on the timestamps of the tweets. Used Apache Storm to collect and process more than 500,000 tweets on a Hadoop cluster.

LANGUAGE AND TECHNOLOGIES

- Java, Python, Scala, PHP, Perl, C++, C#, Apex, MySQL, SQLite, neo4j, JavaScript, AngularJS, node.js, jQuery, Spring, HTML, CSS
- Android, Windows Phone, Blackberry 10, GWT, GXT, ASP.NET, Matlab, MapReduce, Tez, Spark Programming, Apache Hive, Salesforce Apex

NOTABLE MENTIONS

- Winner at HackIllinois (Urbana-Champaign, 2016)
- Winner at Microsoft Hackathon (Bangalore, 2012)
- Winner at VMWare CloudFoundry Hackathon (Bangalore, 2012)
- Selected among top 20 student developers across the world to attend the Game Developer Conference, San Francisco by BlackBerry (2013)
- President of the Indian Graduate Student Association, UW-Madison (2016-2017)

<https://github.com/ashishvshenoy>

<https://www.linkedin.com/in/ashishvshenoy>