

## Arjun Kashyap

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CONTACT INFORMATION	2130 University Avenue, Apt 77, Madison, WI 53726 <i>Website:</i> <a href="https://arjun21k.github.io/">https://arjun21k.github.io/</a>	<i>E-mail:</i> akashyap3@wisc.edu <i>Phone:</i> +1 (608) 960 2729
RESEARCH INTERESTS	I am interested in working on computer networks, mobile and wireless networks, security and systems.	
EDUCATION	<b>University of Wisconsin-Madison</b> , Madison, WI, USA <i>Master of Science, Computer Science</i> Sep 2017 - May 2019 (expected) (CGPA: 3.94/4) <b>National Institute of Technology (NIT) Trichy</b> , Trichy, India <i>Bachelor of Technology (Honors), Instrumentation &amp; Control Engineering</i> July 2010 - May 2014 (CGPA: 9.16/10, Rank: 2/96)	
RESEARCH EXPERIENCE	<b>Graduate Researcher</b> , UW-Madison, WI, USA <i>Adviser:</i> <a href="#">Prof. Suman Banerjee</a> <ul style="list-style-type: none"><li><b>Trusted platform for edge compute nodes</b> Sep 2018 - Present Exploring a mechanism for the cloud server and the client to trust the edge compute platform on which client applications would run.<ul style="list-style-type: none"><li>Creating a solution on <a href="#">ParaDrop</a>, an edge computing platform, to ensure that the edge node's software/hardware has not been tampered with and running only the desired software packages.</li></ul></li></ul>	
PROFESSIONAL EXPERIENCE	<b>University of Wisconsin-Madison</b> , Madison, WI, USA <i>Project Assistant</i> Jan 2018 - Dec 2018 <b>Microsoft Corporation</b> , Redmond, WA, USA <i>Summer Intern (Business Applications Group)</i> May 2018 - Aug 2018 <b>Oracle India Pvt Ltd</b> , Hyderabad, India <i>Senior Software Developer (Full stack development)</i> June 2014 - Jul 2017	
TEACHING EXPERIENCE	<b>Department of Computer Science, UW-Madison</b> <i>Project Assistant, CS 537: Introduction to Operating Systems</i> Sep 2018 - Present <ul style="list-style-type: none"><li>Served as one of the two graders for a class of 265 students, with duties of grading quizzes and helping students with any queries related to them.</li></ul> <b>Department of Computer Science, UW-Madison</b> <i>Project Assistant, CS 640: Introduction to Computer Networks</i> Jan 2018 - May 2018 <ul style="list-style-type: none"><li>Served as one of the two graders for a class of 110 students, with duties of grading quizzes and holding office hours to help students on reviewing quizzes.</li></ul>	
SOFTWARE SKILLS	Programming Languages - C, C++, Java, Javascript, Python, Verilog, SQL, TypeScript MATLAB Servers & Web containers - Weblogic, Tomcat Web Technologies - HTML, CSS, NodeJS, Bootstrap, React, JQuery, RequireJS, Knockout Databases - Oracle, MySQL	

COURSEWORK	<b>UW-Madison</b> CS 537 Introduction of Operating Systems CS 640 Introduction to computer Networks CS 707 Mobile & Wireless Networking CS 740 Advanced Computer Networks CS 760 Machine Learning CS 839 Data Science CS 839 Topics in Security & Privacy	<b>Other</b> Data Structures & Algorithm Database Design Information security
PROJECTS	<b>Study of Request-Routing in Content Delivery Networks</b>	
	<i>UW-Madison</i> (Course: Adv. Computer Networks, with <a href="#">Prof. Paul Barford</a> ) Sep 2018 - Dec 2018	
	Performed a study of request-routing algorithms and mechanisms in CDNs, subject to varied network conditions. Discovered whether the request routing algorithms of a CDN actually determines the best edge server with respect to client perceived latency. <a href="#">[Code]</a> <a href="#">[Report]</a>	
	<b>Evaluating Differential Privacy Mechanisms for Network Trace Analysis</b>	
	<i>UW-Madison</i> (Course: Topics in Security & Privacy, with <a href="#">Prof. Justin Hsu</a> ) Sep 2018 - Dec 2018	
	Evaluated numerous differentially-private mechanisms on the static network dataset at packet and flow-level granularities. Applied the continual counter to a stream of (live) network data to output <i>top-k items</i> without compromising privacy of the user. <a href="#">[Code]</a>	
	<b>Embedding a canvas component in a model-driven form designer</b>	
	<i>Microsoft</i> (Mentor: <a href="#">Syed Adnan Ahmed</a> ) May 2018 - Aug 2018	
	Designed a framework to create <a href="#">canvas</a> -based components in <a href="#">PowerApps</a> to allow an application author/developer to use them out-of-the-box instead of creating a component from scratch.	
	<b>Coordination server for SAFER Home</b>	
	<i>UW-Madison</i> (Adviser: <a href="#">Prof. Suman Banerjee</a> ) Jan 2018 - May 2018	
	As a member of the <a href="#">Safer Home</a> project, designed a server in <a href="#">ParaDrop</a> , an edge computing platform, which coordinates messaging and video streaming during normal and emergency situations. The project was selected for application development award in US Ignite. <a href="#">[Link]</a>	
	<b>Entity Matching using Machine Learning</b>	
	<i>UW-Madison</i> (Course: Data Science, with <a href="#">Prof. AnHai Doan</a> ) Feb 2018 - April 2018	
	Performed entity matching of books from raw data of Amazon and GoodReads using <a href="#">Magellan</a> . <a href="#">[Code]</a>	
HONOURS AND ACHIEVEMENTS	<a href="#">Application development award</a> from <a href="#">US Ignite</a> for SAFER Home project.	
	Conferral of the <i>First Class with Distinction</i> for Bachelors of Technology degree in NIT Trichy, 2014 (Requires a CGPA above 8.5 out of 10).	
	Granted <i>academic proficiency</i> prizes at NIT Trichy in 2012 and 2013 for being among the top 3 students in the department.	
	Achieved a rank 2/96 in instrumentation & control engineering department in NIT Trichy.	
EXTRACURRICULAR ACTIVITIES	Runner up in Table-Tennis in Annual Sports & Games 2011-2012 at NIT Trichy.	
	Manager of <a href="#">Pragyan</a> Workshops team from 2012-2013 which organizes and conducts technical workshops for college students.	