

Arjun Kashyap

CONTACT INFORMATION	2130 University Avenue, Apt 77, Madison, WI 53726 Website: https://arjun21k.github.io/	E-mail: akashyap3@wisc.edu Phone: +1 (608) 960 2729
RESEARCH INTERESTS	I am interested in working on computer networks, mobile and wireless networks, security and systems.	
EDUCATION	University of Wisconsin-Madison , Madison, WI, USA <i>Master of Science, Computer Science</i> Sep 2017 - May 2019 (expected) (CGPA: 3.94/4) National Institute of Technology (NIT) Trichy , Trichy, India <i>Bachelor of Technology (Honors), Instrumentation & Control Engineering</i> July 2010 - May 2014 (CGPA: 9.16/10, Rank: 2/96)	
RESEARCH EXPERIENCE	Graduate Researcher , UW-Madison, WI, USA Adviser: Prof. Suman Banerjee <ul style="list-style-type: none">Trusted platform for edge compute nodes 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">Creating a solution on ParaDrop, 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.	
PROFESSIONAL EXPERIENCE	University of Wisconsin-Madison , Madison, WI, USA <i>Project Assistant</i> Jan 2018 - May 2019 Microsoft Corporation , Redmond, WA, USA <i>Summer Intern (Business Applications Group)</i> May 2018 - Aug 2018 Oracle India Pvt Ltd , Hyderabad, India <i>Senior Software Developer (Full stack development)</i> June 2014 - Jul 2017	
TEACHING EXPERIENCE	Department of Computer Science, UW-Madison <ul style="list-style-type: none"><i>Project Assistant</i>, CS 639: Introduction to Software Security Jan 2019 - May 2019<i>Project Assistant</i>, CS 537: Introduction to Operating Systems Sep 2018 - Dec 2018<i>Project Assistant</i>, CS 640: Introduction to Computer Networks Jan 2018 - May 2018 <p>Served as a grader, with duties of grading quizzes and holding office hours to help students on reviewing quizzes.</p>	
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	UW-Madison 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	Other Data Structures & Algorithm Database Design Information security
PROJECTS	Study of Request-Routing in Content Delivery Networks	
	<i>UW-Madison</i> (Course: Adv. Computer Networks, with Prof. Paul Barford) 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. [Code] [Report]	
	Evaluating Differential Privacy Mechanisms for Network Trace Analysis	
	<i>UW-Madison</i> (Course: Topics in Security & Privacy, with Prof. Justin Hsu) 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. [Code]	
	Embedding a canvas component in a model-driven form designer	
	<i>Microsoft</i> (Mentor: Syed Adnan Ahmed) May 2018 - Aug 2018	
	Designed a framework to create canvas -based components in PowerApps to allow an application author/developer to use them out-of-the-box instead of creating a component from scratch.	
	Coordination server for SAFER Home	
	<i>UW-Madison</i> (Adviser: Prof. Suman Banerjee) Jan 2018 - May 2018	
	As a member of the Safer Home project, designed a server in ParaDrop , 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. [Link]	
	Entity Matching using Machine Learning	
	<i>UW-Madison</i> (Course: Data Science, with Prof. AnHai Doan) Feb 2018 - April 2018	
	Performed entity matching of books from raw data of Amazon and GoodReads using Magellan . [Code]	
HONOURS AND ACHIEVEMENTS	Application development award from US Ignite 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 Pragyan Workshops team from 2012-2013 which organizes and conducts technical workshops for college students.	