

**Lecturer/Senior Lecturer in Artificial Intelligence and / or Machine learning, (Vacancy Ref: ACAD104467)**

Nirav Ajmeri  
2261 EB II, 890 Oval Dr.  
Raleigh, NC 27606, USA  
+1 (919) 449-8308, nirav.ajmeri@gmail.com  
<https://niravajmeri.github.io>

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Faculty Search Committee  
Department of Computer Science  
University of Bristol  
Beacon House, Queens Road  
Bristol, BS8 1QU, UK

Dear Search Committee Members:

I wish to apply for the Lecturer position in Artificial Intelligence at the University of Bristol. Currently, I am a postdoctoral research scholar in computer science at North Carolina State University (NCSU), advised by Professors Munindar Singh and Laurie Williams.

My research interests are in artificial intelligence and multiagent systems with a focus on ethics, fairness, and accountability. I have extensively worked toward developing new multiagent system techniques for understanding how factors such as social context, norms, privacy, and security influence software applications (or agents in multiagent systems' terminology) and processes producing these applications. Further, I have designed formal reasoning and verification approaches to specify and analyze policies. I firmly believe in empirical evaluation of research contributions, and thus have evaluated my contributions via a variety of empirical studies including developer, end-user, crowd-sourced, and simulation studies.

I have strived to publish in high-quality journals and conference proceedings. Owing to the inter-disciplinary nature of my research, my publication record spans top-tier artificial intelligence, software engineering, and computing venues including IJCAI, AAAI, AAMAS, TOSEM, RE, KER, JSS, Computer, Intelligent Systems, and Internet Computing. I was recently awarded the Outstanding Dissertation Award by the Department Computer Science at North Carolina State University for the year 2019.

Prior to joining NCSU, from 2007 to 2012, I worked with TCS Innovation Labs, TRDDC, India as a researcher. At TRDDC, I worked toward developing methods for knowledge engineering. My research focused on making available (tacit as well as explicit) domain knowledge, visible and accessible, and thus amenable for reconfiguration and reuse. While at TRDDC, I also mentored several undergraduate research interns.

Working in multidisciplinary CS research areas, I have developed a valuable skill to make connections across areas. I hope to build on this skill and apply interesting solutions in one domain to solve difficult problems in others.

I am confident that my research interests aligns with those of other AI researchers and my teaching experience and interests align with objectives of the Department of Computer Science at the University of Bristol.

My CV, research plan, and teaching statement are attached to this application. Please contact me if you need more information.

Thank you for your time and consideration. I look forward to your reply.

Sincerely,  
Nirav Ajmeri