Poonam Kumari

Department of Computer Science • University at Buffalo, SUNY • 113A Ketter Hall • Buffalo, NY 14260
Email: poonamku@buffalo.edu • **Phone:** (716)-604-4787

EDUCATION

University at Buffalo, SUNY   June 2021 **(Expected)**
(Buffalo, New York)
Doctor of Philosophy in Computer Science

Birla Institute of Technology and Science   Dec 2013
(Pilani, Rajasthan, India)
Master of Science in Software Systems

Visvesvaraya Technological University   May 2010
(Belgaum, Karnataka, India)
Bachelor of Engineering in Computer Science

RESEARCH EXPERIENCE   May 2016-Present

UB SUNY, ODIn Lab, 113A Ketter Hall
(Buffalo, NY)

- Conducted IRB approved user studies to collect data and analyze the effect of uncertainty on human decision making process
- Analyzed the effect of different representation of uncertainty in the first two studies
- Published a paper titled Communicating Data Quality in On Demand Curation based on the results of the studies
- Explored the effect of additional information provided along with uncertain data on human decision, in ongoing user study

PUBLICATIONS

1. **Poonam Kumari**, Oliver Kennedy, and Said Achmiz. *Communicating Data Quality in On Demand Curation*. Proceedings of the 11th VLDB Workshop on Quality in Databases 2016.

2. **Poonam Kumari**, Ying Yang, Lisa Lu, Arindam Nandi, Beda Hammerschmidt, Zhen Hua Liu, Dieter Gawlick, Michael Brachmann, Boris Galvic, and Oliver Kennedy. *Presentation-Aware Probabilistic Query Processing.* (***In preparation)***

PRESENTATIONS

1. **Poonam Kumari**. *Empirical Glitches*. Nov 2016
2. **Poonam Kumari**, Oliver Kennedy, and Said Achmiz. *Communicating Data Quality in On Demand Curation*. VLDB workshop on Quality in Databases. Sept 2016
3. **Poonam Kumari**. *Constructing Dataless Databases for Analysis Services*. Nov 2014
4. **Poonam Kumari**. *HTML and CSS scripts*. April 2010
5. **Poonam Kumari**. *Video Conferencing using Bluetooth Channel*. April 2010

AWARDS & CERTIFICATES

- *Dean's Fellowship*, University at Buffalo. Aug 2015
- *Tesco Star of the moment*, Tesco HSC, Bangalore Oct 2014
- *Tesco Value award*, Tesco HSC, Bangalore Oct 2012
- *Microsoft Certified Professional*, Bangalore Dec 2012
- *Microsoft Specialist,* Bangalore Dec 2012
- *Microsoft Certified Technology Specialist*, Bangalore July 2010
- *Sun Certified Java Programmer*, Bangalore Aug 2010

TECHNICAL LEADERSHIP & TEACHING

Teaching Assistantships
University at Buffalo
- CSE101-Computers A General Intro Fall 2015
- CSE111-Great Ideas in Computer Science Fall 2015
- CSE101-Computers A General Intro Spring 2016
- CSE113-Intro to Computer Programming Summer 2016
- CSE250-Data Structures Summer 2016

Guest Lectures
University at Buffalo SUNY
- CSE101-Computer A General Intro Spring 2016

Volunteer Work July 2012-Aug 2015
Tesco Hindustan Service Center, Bangalore
- Taught basic Computer and English courses to students at Government school sponsored by Tesco
- Lead a Team of 3 and designed the course structure
- Collaborated with Give India NGO to sponsor education for underprivileged students
- Participated in clean India movement as part of TESCO community

EMPLOYMENT HISTORY

Functional Analyst, TESCO Hindustan Service Center, Bangalore   Sept 2013-Aug 2015
- Impact assessed bank changes and taking them through to delivery
- Resolved incidents impacting customers
- Worked towards improving the services provided to customers

Senior Software Engineer, TESCO Hindustan Service Center, Bangalore   Aug 2010-Aug 2013
- Worked on and developed .Net and SQL related applications
- Resolved day-to-day issues and found root causes for permanent solutions
- Developed tools to ease routine activities

SOFTWARE SKILLS

- C, C++, and Dot Net
- Java
- HTML and CSS
- Banking Software (Accurate, Aperio, SIGNATURE, reconciliation tools)

PROFESSIONAL WORKSHOPS

Payments Training   Sept 2014
Organized by TESCO Bank
- Payment system in India and UK
- ATM network used
- VISA and Master Networks

SQL Training   Aug 2014
Organized by TESCO Bank
- Basics of SQL
- How to write queries in SQL

Banking Basic Training   April 2014
Organized by TESCO Bank
- Ways of working of bank in India and in UK
- Types of bank products