

Shaleen Deep

Curriculum Vitae

Department of Computer Sciences
University of Wisconsin-Madison
1210 W Dayton Street, Office 4366
✉ shaleen@cs.wisc.edu
📄 pages.cs.wisc.edu/~shaleen

Education

- 2015–Present **PhD in Computer Sciences**, *University of Wisconsin-Madison*.
Advisor: Prof. Paraschos Koutris
- 2015–2018 **Masters in Computer Sciences**, *University of Wisconsin-Madison*.
GPA: 3.87/4.0
- 2009–2013 **Bachelor of Engineering in Computer Science**, *PEC University of Technology*,
Chandigarh - India.
GPA: 10.0/10.0 (1st in entire batch)

Honors and Awards

- Best paper award, VLDB Industrial Track, 2020
- Anthony C. Klug NCR Fellowship, UW-Madison, 2019
- Departmental Fellowship, Computer Sciences at UW-Madison, 2015
- Aditya Miglani Memorial Award for academic excellence, PEC University of Technology, 2013
- Gold medal for academic excellence, PEC University of Technology, 2013

Conference Publications

- Shaleen Deep, Paraschos Koutris, "Ranked Enumeration of Conjunctive Query Results", **ICDT 2021** (*invited to a special issue of Logical Methods in Computer Science*)
- Shaleen Deep, Xiao Hu, Paraschos Koutris, "Enumeration Algorithms for Conjunctive Queries with Projection", **ICDT 2021** (*invited to a special issue of Logical Methods in Computer Science*)
- Shaleen Deep, Anja Gruenheid, Paraschos Koutris, Jeffrey Naughton, Stratis Viglas, "Comprehensive and Efficient Workload Compression", **PVLDB 14(3), 418-430 (2020)**
- Shaleen Deep, Xiao Hu, Paraschos Koutris, "Fast Join Project Query Evaluation using Matrix Multiplication", **SIGMOD 2020**
- Shaleen Deep, Anja Gruenheid, Kruti Nagaraj, Hiro Naito, Jeffrey Naughton, Stratis Viglas, "DIAMetrics: Benchmarking Query Engines at Scale", **(Industry track) PVLDB 13(12), 3285-3298 (2019)**
- Shuchi Chawla, Shaleen Deep, Paraschos Koutris, Yifeng Teng, "Revenue Maximization for Query Pricing", **PVLDB 13(1), 1-14 (2019)**

- Shaleen Deep, Paraschos Koutris, "Compressed Representations of Conjunctive Query Results", **PODS 2018**
- Shaleen Deep, Yash Bidasaria, Paraschos Koutris, "QIRANA Demonstration: Real Time Scalable Query Pricing", **(Demonstration track) PVLDB 10(12), 1949-1952 (2017)**
- Shaleen Deep, Paraschos Koutris, "QIRANA: A Framework for Scalable Query Pricing", **SIGMOD 2017**
- Shaleen Deep, Paraschos Koutris, "The Design of Arbitrage-Free Data Pricing Schemes", **ICDT 2017**

■ Refereed Journal Publications

- Shaleen Deep, Anja Gruenheid, Kruti Nagaraj, Hiro Naito, Jeffrey Naughton, Stratis Viglas, "DIAMetrics: Benchmarking Query Engines at Scale", **SIGMOD Record 2021**

■ Professional Experience

- 2015–Present **Graduate Research Assistant**, *University of Wisconsin-Madison*.
Advisor: Prof. Paraschos Koutris
- 2018-2020 **Student Researcher**, *Google*, Madison, Wisconsin.
Advisor: Anja Gruenheid
- 2013-2015 **Programming Analyst**, *Goldman Sachs*, Bangalore, India.
Manager: Ira Patra

■ Professional Activities

- **External Reviewer:** PODS 2018, 2017;
ICDT 2021, 2019;
SIGMOD 2020

■ Travel Grants

- Student grant for SIGMOD 2017
- Student grant for VLDB 2017
- Student grant for SIGMOD 2018