

# DHRITI KHANNA

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Indraprastha Institute of Information Technology, Delhi  
Okhla Phase 3, Delhi-110020

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## Education

### **PH.D, COMPUTER SCIENCE**

*AUGUST 2015-PRESENT*

IIIT Delhi

*Current CGPA: 9.0*

Supervisors: Dr. Rahul Purandare and Dr. Subodh Sharma

### **MASTERS IN SCIENCE, COMPUTER SCIENCE**

*2012*

Department Of Computer Science, University Of Delhi

*Percentage: 82.85*

Supervisor: Dr. Vasudha Bhatnagar

### **BACHELORS IN SCIENCE (H), COMPUTER SCIENCE**

*2010*

College: Deen Dayal Upadhyaya college, University of Delhi

*Percentage: 72.8*

## Experience

### **TEACHING ASSISTANT**

**IIIT DELHI**

Program Analysis

*Monsoon 2016*

Data structures and Algorithms

*Winter 2016*

Advanced Programming

*Monsoon 2015*

### **ASSISTANT PROFESSOR**

**UNIVERSITY OF DELHI**

For undergraduate courses

*Jan 2013 – April 2015*

### **SOFTWARE ENGINEER**

**NAGARRO SOFTWARE PVT. LTD.**

Worked on developing ERP software  
(.NET and Microsoft Silverlight)

*Jul 2012 – Dec 2012*

## Awards and Achievements

- PhD fellowship for 4 years by TCS Research and Development in 2016.
- Qualified GATE with AIR 1356 and marks 48.39 (Score: 633) in 2015.
- Cleared National Eligibility Test for lectureship in June 2012 and June 2014.

## Publications

- **Dhriti Khanna**, Subodh Sharma, César Rodrigues, Rahul Purandare. Dynamic Symbolic Verification of MPI Programs. Submitted in: Formal Methods (2017).
- Vasudha Bhatnagar, Sharanjit Kaur, Rakhi Saxena, **Dhriti Khanna**. DASC: data aware algorithm for scalable clustering. In: Knowledge and Information Systems: 851-881 (2017)
- Sukrit Kalra, Ayush Goel, **Dhriti Khanna**, Mohan Dhawan, Subodh Sharma, Rahul Purandare. POLLUX: safely upgrading dependent application libraries. In: Foundations of Software Engineering 290-300 (2016)
- Sharanjit Kaur, Rakhi Saxena, **Dhriti Khanna**, Vasudha Bhatnagar. Comparing Data Processing Frameworks for Scalable Clustering. In: FLAIRS (2014)

## Skills and Abilities

### TECHNICAL EXPOSURE

- Languages: Java (core), C++
- Operating Systems: Ubuntu
- Code analysis tools: PIN, Soot, Clang
- Scientific Computing Environment: R

### ORGANIZATIONAL SKILLS

- I helped organize many workshops for students in my academic career such as: Ethical hacking, Drupal, FOSS.
- I was part of the core committee management team of University of Delhi's technical festival *Sankalan* as Joint Secretary.

## References

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| • Dr. Rahul Purandare<br><a href="mailto:purandare@iiitd.ac.in">purandare@iiitd.ac.in</a><br>Assistant Professor<br>IIIT Delhi | • Dr. Vasudha Bhatnagar<br><a href="mailto:vbhatnagar@cs.du.ac.in">vbhatnagar@cs.du.ac.in</a><br>Associate Professor<br>Dept. of Computer Science,<br>University of Delhi | • Dr. Subodh Sharma<br><a href="mailto:svs@iitd.ac.in">svs@iitd.ac.in</a><br>Assistant Professor<br>IIT Delhi |
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