

# Krishna N Rastogi

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## Research Interests

My research interests span a wide range of topics in Cloud Computing, Big Data Analytics, Large Scale Infrastructure for Efficient Cloud Operations and Green Computing. In particular, I have been working on "*Energy Efficient Algorithmic for Cloud Data Center Operations*" and "*High Performance Big Data Analytics in Cloud*".

## Education

2013–Present      Ph.D. (Pursuing), Uttarakhand Technical University, Uttarakhand, India.

**Advisor:** Dr Priti Dimri, Associate Professor, GBPEC, Uttarakhand

**Thesis Topic:** *Energy Efficient Algorithmics for Cloud Data Center Operations.*

2007–2010      M.C.A, Babasaheb Bhimrao Ambedkar University, Lucknow, Uttar Pradesh

2004–2007      B.Sc. in Information Technology, M C University, Bhopal, Madhya Pradesh

## Employment

**Jan 2019- Present**   Assistant Professor, Department of Computer Applications, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujrat

**Courses Taught:** *Cloud Computing, Internet of Things, Programming in Python, Discrete Mathematics, Cyber Security, Linear Algebra and Calculus, Data Communication and Networks, Digital Marketing Lab, Social Media Analytics*

**Aug 2014–Jan 2019**   Assistant Professor, School of Technology, Doon University, Dehradun, Uttarakhand

**Courses Taught:** *Operating Systems, Database Management Systems, Computer Organization and Architecture, Programming in C, Object Oriented Programming in C++, Cloud Computing, Design and Analysis of Algorithms, Programming in Python, Data Structures using C. Secure Programming, Object Oriented Programming with Java, Internet of Things, Cryptography and Network Security.*

**Aug 2013–Aug 2014**   Teaching Assistant, Department of Computer Applications, G B Pant Engineering College, Pauri, Uttarakhand

**Courses Assisted:** *Operating Systems Concepts, Cryptography and Network Security.*

## **Skill Sets**

**Programming Languages:** *C, C++, Python , Java*

**Databases:** *Oracle, PL/SQL, MySQL*

**Web Technologies:** *HTML5, CSS, JavaScript, Bootstrap, Angular*

**Tools:** *Hadoop, Spark, Tableau, R, Jupyter*

## **Awards and Honors**

- Qualified UGC NET for Assistant Professor in Computer Science and Applications in 2013
- TEQIP-II Fellowship to pursue Doctoral Studies in Computer Science from Uttarakhand Government.

## **Membership of Professional Bodies**

- Member of CSI (Computer Society of India) since 2018.

## **Publications**

### **Journal Papers**

- Krishna Nand Rastogi, Priti Dimri, Jitender Sehgal. “e-GiMod: Modeling an Information Highway for Cost Effective and Efficient e-Governance in India using Open Source Cloud Computing Services”, International Journal of Advance Research in Computer Science and Software Engineering, Jan 2014
- Krishna Kumar Singh, Priti Dimri and Krishna Nand Rastogi. “Implications of Big Data in Indian Stock Market”, International Journal of Computer Applications, August 2014

## **Professional Engagement**

### **Short Term Courses/FDP/Workshops Attended**

- One Week Short Term Course on Digital Signal & Image Processing at Jaypee University of Engineering and Technology, Guna from July 5th to 10th 2010.
- One Week Short term Course on Eco-Technology for Sustainable Development at G B Pant Engineering College, Pauri from Oct 21th to 25th 2013
- Five Days National Workshop on Challenges in Big Data Research at Malviya National Institute of Technology, Jaipur from Nov 9th to 13th 2013
- One Week Short term Course on Advancements in Cloud Computing at G B Pant Engineering College, Pauri from May 27th to 31st 2014
- One Week Short term Course on HADOOP and Its Applications at G B Pant Engineering College,

Pauri from Apr 21st to 25th 2015

- One day Workshop organized by NKN-Uttarakhand on June 10th, 2016.

### **Short Term Courses/FDP/Workshops Organized**

- Co-organized Two Week National FDP in Techno-Entrepreneurship in collaboration with Entrepreneurship Development Institute, (EDI), Gujrat at Doon University from 20/03/2015 to 31/03/2015
- Organized a One Day Event on Digital India Initiative at Doon University on 06/07/2015.

### **MOOCs/Online Courses**

- Certificate of Completion of Power Searching with Google in July 2012
- Certificate of Achievement in Big Data Analytics-Demos from Big Data University in July 2015
- Certificate of Achievement in Big Data Fundamentals from Big Data University in July 2015
- Certificate of Achievement in Introduction to Data Analysis using R from Big Data University in July 2015
- Certificate of Achievement in Data Science Methodology from Big Data University in July 2015
- Certificate of Achievement in Introduction to NoSQL and DBaaS from Big Data University in July 2015
- Certificate of Completion in Introduction to R from DataCamp in July 2015
- Honor Code Certificate in CS001x: MyCS: Computer Science for Beginners from edX in July 2015
- Honor Code Certificate in CloudIntro.x: Introduction to Cloud Computing from edX –IEEE in July 2015
- Certificate of Completion "Introduction to Python for Data Science" by DataCamp
- Certificate of Achievement "Introduction to NoSQL and DBaaS" by Big Data University
- Certificate of Completion "Microsoft SQL Server- An Introduction" by Udemy
- Certificate of Completion "A Flying Introduction to Amazon Web Services: Cloud" by Udemy
- Certificate of Completion "HANDS-ON SQL for Beginners (SELECT, FROM, WHERE)" from Udemy
- Certificate of Completion "Oracle SQL Developer: Tips and Tricks" from Udemy
- Certificate of Completion "Introduction to Learn T-SQL from Scratch" from Udemy
- Certificate of Completion "Sachin Quickly Learns (SQL)- Structured Query Language" from Udemy
- Certificate of Completion "Develop Database Application Without Manual Coding-Tremplin" from Udemy