
Dr. JITENDRA SINGH RAUTHAN

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<https://scholar.google.co.in/citations?user=xHpr9DEAAAAJ&hl=en> (Google Scholar),

<https://sites.google.com/itgopeshwar.ac.in/jitendra-singh-rauthan/home?authuser=0> (Google Site)

PROFESSIONAL SUMMARY

A hard-working, skilled and dedicated IT Professional, highly proficient in hardware and software troubleshooting, working knowledge in networking concepts. Flexible and adaptable to changing technologies and tools. As an assistant professor of Computer Science & Engineering, demonstrated excellent practical skills and quickly established rapport with students and faculty members.

SKILLS

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| <ul style="list-style-type: none">• Self-motivated• Smart working and dedication• Self-Confidence | <ul style="list-style-type: none">• Team leadership• Ability to Work Under Pressure• Initiative |
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SUBJECT TAUGHT

- Programming and Concepts
- Data Structure
- Algorithm Design
- Database Management System
- Compiler Design
- Automata Theory
- Computer Networks
- Information Security

WORK HISTORY

Assistant Professor, Computer Science & Engineering, 04/2019 to till date

G.B. Pant Institute of Engineering and Technology, Gaurdauri – Pauri Garhwal, Uttarakhand

- Associate OIC Institute Website
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Assistant Professor, Computer Science & Engineering, 10/2013 to 04/2019

Institute Of Technology, Gopeshwar – Chamoli, Uttarakhand

- Head of the Department
- Nodal Officer Procurement, TEQIP-III
- OiC AICTE approval
- OiC Institute Website Maintenance and Updating
- OiC Institute Campus wide Networking
- Member of various committees at the institution level

Teaching Associate, Computer Science & Engineering, 09/2012 to 09/2013

National Institute of Technology – Srinagar Garhwal, Uttarakhand

- OiC Head of Department
- OiC Guest Faculty
- OiC Internet and Networking
- Boys Hostel Warden
- Member of Various Committees at Institution Level

Sr. Engineer (SAP Consultant), 01/2009 to 06/2010

Varroc Engineering Pvt. Ltd, – Rudrapur, Uttarakhand

- I/C Networking and Internet over the industry
- SAP PP and QM Module support

Guest Faculty, Computer Science, 10/2008 to 12/2008

HNB Garhwal University – Srinagar Garhwal, Uttarakhand

- Guest Lectures at MCA Department

EDUCATION

High School: 2002

Higher Secondary Sarasvati Vidya Mandir - Srikot Ganganali
First Division

Engineering Diploma: 2005

Government Polytechnic - Srinagar Garhwal
First Division (H)

B.Tech: 2008

Dehradun Institute of Technology - Dehradun
First Division

M. Tech, 2012

B.T Kumaon Institute of Technology - Dwarahat

First Division (H)

Title of M. Tech Dissertation : An improved approach in clustering algorithm for load balancing in wireless sensor networks

Ph.D., 2021

Uttarakhand Technical University - Dehradun

Title of Ph. D. Thesis: Preserve Confidentiality of Users Data Using Encryption Approach

RESEARCH EXPOSURE

- "Fully Homomorphic Encryption: A Case Study", ACM Computing Surveys, ACM Digital Library (**SCI, SCIE, IF: 10.282**) Communicated.
- "Homomorphic Encryption Based Zero Knowledge of Locations", Personal and Ubiquitous Computing, Springer. (**SCIE, IF: 3.006**) Communicated.
- "A System of Selection Query Processing Optimization Over Encrypted Database Using Previous Outcomes Knowledge Base", 202111005672 A, **Indian Patent**.
- "Blockchain and the Digital Credentialing for Education System", Integrated Intelligence Enable Networks and Computing, IIENC 2020, Algorithms for Intelligent Systems, Springer. (**Scopus**)
- "Deep Learning for Health Care in Disease Identification: A Review", Integrated Intelligence Enable Networks and Computing, IIENC 2020, Algorithms for Intelligent Systems, Springer. (**Scopus**)
- "Homomorphic Encryption Approach for Exploration of Sensitive Information Retrieval", Journal of Intelligent & Fuzzy Systems, IOS Press. (**SCIE, IF: 1.851**)
- "VRS-DB: Preserve Confidentiality of Users' Data using Encryption Approach", Digital Communications and Networks, Elsevier. (**SCIE, IF: 5.382**)
- "VRS-DB: Computation & Exploration on Encrypted Database", IEEE International Conference on Big Data and Computational Intelligence (ICBDICI'19). (**Scopus**)
- "Scrambled database with encrypted query processing: CryptDB a computational analysis", 2017 IEEE International Conference on Intelligent Systems and Information Management (ICISIM), 2017. (**SCOPUS**)
- "Privacy and Security of User's Sensitive Data: A Viable Analysis", Annals of Computer Science and Information Systems, Vol. 10 ISSN 2300-5963 © 2017, PTI. (**SCOPUS**)
- "Compatibility Issues and Challenges in 802.11g Implementation: A Review", International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 3 Issue 9, September 2014. (**UGC Approved**)

- "An improved Cluster Based Multi-hop Routing in Self-Organizing Wireless Sensor Networks", International Journal of Engineering Research & Technology (IJERT) Vol. 1 Issue 4, June - 2012. **(UGC Approved)**
- "An Improved Approach in Clustering Algorithm for Load Balancing in Wireless Sensor Networks", International Journal of Advanced Research in Computer Engineering & Technology Volume 1, Issue 5, July 2012. **(UGC Approved)**

WORKSHOP AND TRAININGS

- One-week workshop in "Machine Learning and Deep Learning" at NIT, Meghalaya, organized by IIT, Guwahati E&ICT Academy.
- One week "Professional Development Training" at IIM, Udaipur.
- One week "Professional Development Training" at IIM, Raipur.
- One-week "Active Learning Training" at IIT, Roorkee
- One-week FDP on " Innovations in Solar Based Applications and Recent Trends" at IT, Gopeshwar
- One-week FDP on" Data Security and cryptographic approaches" at KEC, Dwarahat.
- Two days Training on "MIS officer" at VJTI, Mumbai.
- Organize two days Hands on Training on “Internet of Things” at IT, Gopeshwar.
- Organize National Conference NCPSE 2016, NCPSE-2017 at IT, Gopeshwar.
- Organize IEEE International conference RICE-2017 at IT, Gopeshwar.

ACHIEVEMENTS/AWARDS

- Qualified GATE 2014, 2015, and 2016.
- Certified Google Cloud Ready Facilitator
- IBM and Coursera Certified Python and Blockchain Expert
- Best Paper Award in RICE 2017 International Conference

PROFESSIONAL MEMBERSHIP

- Professional Member, IEEE (92327274)
- Member, Universal Association of Computer and Electronics Engineers (SM10100060551)
- Member, International Computer Science and Engineering Society (2664)
- Member, Internet Society Chapter -Delhi (802405)
- Member, International Association of Engineers (146864)
- Life Member, Indian Society for Technical Education (LM 129208)

(Jitendra Singh Rauthan)