



## Dr. Shahid Sultan Hajam

Assistant Professor

Department of Information Technology

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🔗 Research Gate

🔗 ORCID

### EDUCATION

- **National Institute of Technology Srinagar, J&K** 2024  
*Doctor of Philosophy, Faculty of Engineering*
- **Central University of Kashmir** 2018  
*M.Tech in Information Technology*
- **National Institute of Technology Srinagar, J&K** 2016  
*B.Tech. in Computer Science & Engineering*

### EXAMS QUALIFIED

- **UGC - NET** 30-November-2020  
*Qualified for Assistant Professor only*
- **JK - SET** 23-December-2022  
*Qualified for Assistant Professor*

### RESEARCH EXPERIENCE

- **National Institute of Technology Srinagar, India** 2018-2020  
*JRF* Srinagar
- **National Institute of Technology Srinagar, India** 2020-2023  
*SRF* Srinagar

### EXPERIENCE

- **Central University of Kashmir, Tulmulla Ganderbal, India** December 2023 to Present  
*Assistant Professor* Jammu and Kashmir

### PUBLICATIONS

#### •Journals

- Shahid Sultan Hajam, Shabir Ahmad Sofi "IoT-Fog architectures in smart city applications: A survey" *China Communications* , Volume 18, Issue 11, ISSN 1673-5447 Page 117-140, (2021) (**SCIE, SCOPUS**), **IF 4.1**.
- Shahid Sultan Hajam, Shabir Ahmad Sofi "Resource Management in Fog Computing using Greedy and Semi-greedy Spider Monkey Optimization " *Soft Computing* ,pp. 1-11, ISSN 1432-7643, (2023) ( **SCIE, SCOPUS**) **IF 4.1** .
- Shahid Sultan Hajam, Shabir Ahmad Sofi "Fog Task Scheduling using Clustering based Randomized Round Robin " *Scalable Computing: Practice and Experience* , Volume 22, Issues 3, pp. 294–301, ISSN 1895-1767 (2021) (**ESCI, SCOPUS**) .
- Shahid Sultan Hajam, Shabir Ahmad Sofi "Spider Monkey Optimization based Resource Allocation and Scheduling in Fog Computing Environment " *High Confidence Computing, Volume 3, Issues 3, ISSN 2667-2952, (2023)* ( **ESCI, SCOPUS**) **IF 3.2** .
- Shahid Sultan Hajam "Deadline-cost aware task scheduling algorithm in fog computing networks " *International Journal of Communication Systems*,(2024) ( **SCIE, SCOPUS**) **IF 1.7** .

## •Conferences

- "Delay Minimization by Offloading in Fog Computing " *2019 International Conference on Communication and Electronics Systems (ICCES)* , pp. 1816-1820, (2019) (**Scopus**).

## •Patents

- “Near Field Communication (NFC) - based Pet health transparency and safety system, Published , (202411097194), (27, December 2024).
- “RF based Remote Control Finder, Published , (202411100897), (3rd, January 2025).

## AREAS OF INTEREST

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- Internet of Things
- Fog Computing
- Resource Optimization
- Machine Learning
- Smart Cities

## COURSES INTERESTED IN TEACHING

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- Internet of Things
- Operating System
- C Language
- Data Structure
- DBMS

## CERTIFICATIONS

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- "National Intellectual Property Awareness Mission" on 08-05-2024 organized by Intellectual Property Office, India.
- "NEP 2020 Orientation & Sensitization Programme" from 20-05-2024 to 29-05-2024 at UGC- Malaviya Mission Teacher Training Centre, Kumaun University, Nainital (Uttarakhand).
- AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "5G and IoT applications" from 06-12-2021 to 10-12-2021 at National Institute of Technology, Srinagar.
- AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" from 2020-8-24 to 2020-8-28 at National Institute of Technology, Srinagar.
- One week Online Short Term Course on "AI Inspired 6G Communication Technology" organised by the Department of Electronics & Communication Engineering, National Institute of Technology Srinagar from 16th - 20th September,2020.
- Lab Session of Python AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" from 2020-8-24 to 2020-8-28 at National Institute of Technology Srinagar.
- Online FDP on "Cognitive Skills and Design Thinking" from 27-03-2021 to 31-03-2021 organized at National Institute of Technology Srinagar, Hazratbal, India.
- 3 Days workshop on capacity building on e-waste management (NIELIT Srinagar, march 2018).
- Introduction to Internet of Things (NPTEL online certification) Jan-April 2019.
- Short term course on Integrated Networking (NIELIT Srinagar, 2015).
- Short term course on Core Java (NIELIT Srinagar, 2015).

## OTHER ACTIVITIES

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- Delivered a lecture at one week training programme on "Revolutionizing Agriculture with AI", organized by CoAE&T, SKUAST-Kashmir on 12-02-2025
- "External Member in UG Board of Studies in subject Information Technology at Cluster University of Srinagar."

**Thanks & Regards**

Dr.Shahid Sultan

Ganderbal, J&K, India