

# Curriculum Vitae

**Dr. Omar Farooq**

*S/O: Farooq Ahmad Khan*

*R/O: Verinag, Anantnag, J&K*

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## **Career Objective: -**

To work in a challenging position with an organization that provides opportunities to learn and contribute.

## **Current Status:**

- **2024:** Working as Lecturer at Department of Electronics & Communication Engineering, Institute of Technology, Zakura Campus, **University of Kashmir**.

## **Educational Qualifications: -**

- **2024:** Completed **Ph.D.** entitled “Design and Analysis of Machine Learning Approaches in IoT” in Computer Science & Engineering at **Lovely Professional University (Punjab)**.
- **2015:** Completed **M-Tech** in CSE from **AMITY UNIVERSITY**.
- **2012:** Completed **B-Tech** in Computer Science Engineering from **BGSB University (J&K)**
- **2006:** 10+2 from Sainik School Nagrota (**MINISTRY OF DEFENCE**) **GOVT. OF INDIA**
- **2004:** 10<sup>th</sup> from Sainik School Nagrota (**MINISTRY OF DEFENCE**) **GOVT. OF INDIA**

## **Experience: -**

- **Assistant Professor** at SSM College of Engineering (**2023-24**).
- **Teaching Fellow** at Lovely Professional University (**2018-2020**).
- **Assistant Professor** at SSM College of Engineering & Technology (**2016-2018**).
- **Lecturer** at **IoT Zakura Campus** (University of Kashmir) (**2015-2016**).
- One-year experience as **Trainee Instructor** at **Advance Technology Srinagar** (**2012-13**).

## **Professional Strength: -**

- Subjects : Artificial Intelligence.  
Machine Learning.  
Internet of Things  
Operating System.  
Data Science  
Software Engineering  
DBMS

### Co-Curricular skills: -

- **Coordinator** for **National Workshop** on Data Analytics of Cloud Based IoT.
- Undergone one-month summer training in broadband unit at (**BSNL Srinagar**)
- Undergone short term course in **Information Security** at (**NIELIT Jammu**)
- Certificate Course in **Communication Skills**.
- Certificate Course in **German Language**.
- Certificate Course in **Behavioral Science**.

### Conference Presentations: -

- **“Machine Learning Approaches for IoT Data Classification”**, International Conference on Innovative Computing and Communication, University of Delhi, 21-23 Feb, 2020.
- **“Data Management Framework for Resource Constrained IoT Applications”**, 2<sup>nd</sup> Global Conference on Artificial Intelligence and applications, Department of Computer Science & Engineering, University of Engineering & Management, Jaipur, 08-10 September, 2021.
- **“Big Data in Mobile and pervasive Computing”** International Conference on Sustainable Development and Technological Innovation, Islamic University of Science and Technology, Awantipora, 23-24 December 2015.
- **“Big Data for Preventive Healthcare”** National Conference on Integrated Circuits and Signal Processing, Amity University, Lucknow, Uttar Pradesh, 25-26 September 2014.
- **“Avoidance of Black Hole Attack in Manet Using Digital Signature”** National Conference on Integrated Circuits and Signal Processing, Amity University, Lucknow, Uttar Pradesh, 25-26 September 2014.
- **“Big Data in Mobile and Pervasive Computing”**, presented in dissertation project for the completion of M. Tech Computer Science Engineering from Amity University.

### Paper Publications:

- Paper on **“Machine Learning Analytic-Based Two Staged Data Management Framework for Internet of Things”** Published in **Sensors (MDPI). I.F- 3.87**
- Paper on **“Data Analytics and modeling in IoT-Fog Environment for Resource Constrained IoT Applications”** Published in **Recent Advances in Computer Science and Communication (Bentham Science)**.
- Paper on **“A Secure Architecture for Resource Constrained IoT Environment”** Published in **Journal of University of Shanghai for Science and Technology**.

- Paper on “**Data Management Framework for Resource Constrained IoT Applications**” Published in **2<sup>nd</sup> Global Conference on Artificial Intelligence and Applications**.
- Paper on “**Machine Learning Approaches for IoT-Data Classification**” Published in **International Conference on Innovative Computing & Communications (ICICC) 2020**.
- Paper on “**Big Data in Mobile and Pervasive Computing**” Published in “**International Conference on Intelligent Sustainable Systems**” (IEEE).
- Paper on “**Voice Controlled Wheel Chair System**” Published in **International Journal of Computer Science and Mobile Computing**.
- Paper on “**Voice Controlled Wheelchair using Android Technology**” Published in **International Journal of Computer Science and Mobile Computing**.
- Paper on “**Event Management System**” Published in **International Journal of Computer Science and Mobile Computing**.
- Paper on “**Green Computing and Initiatives for Environmental Issues**” Published in **International Journal of Computer Science and Mobile Computing**.

#### **Book chapters: -**

- **Data Management Framework for Resource Constrained IoT Applications**, published in a book Applications of Machine Intelligence in Engineering by **Taylor and Francis**. 1<sup>st</sup> edition, CRC Press, 2022.

#### **Personal Details: -**

Name : Omar Farooq  
 Father Name : Farooq Ahmad khan  
 DOB : 01-01-1989  
 Sex : Male  
 Nationality : Indian  
 Languages : English, Urdu, Hindi, German, Kashmiri.  
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## References: -

**1. Dr. Parminder Singh**

Associate Professor  
*LPU PUNJAB*

**2. Mrs. Yasmeen**

HOD, Dept. of CSE  
*SSM College of Engineering*

**3. Dr. Rekha Sharma**

Associate Professor  
*LPU PUNJAB*

**4. Dr. Shabir Ah Sofi**

HoD, Dept of IT,  
*NIT Srinagar*

## Declaration: -

I hereby declare that all the details mentioned above are my own and are true to the best of my knowledge.

Place: Institute of Technology, Zakura Campus. UoK

Date: 01<sup>th</sup> of April, 2024

Signature