

Curriculum Vitae

Dr. Omar Farooq

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Career Objective: -

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

Current Status:

- Working as Assistant Professor at Kashmir College of Engineering and Technology.

Educational Qualifications: -

- **2024:** Awarded **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**.
- **2013:** Completed 1-year Advanced **Diploma** in Information Technology from **DOEACC**.
- **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:** **10th** from Sainik School Nagrota (**MINISTRY OF DEFENCE**) GOVT. OF INDIA

Experience: -

- **Assistant Professor** at **IoT Zakura Campus** (University of Kashmir) (**2025**).
- **Lecturer** at **IoT Zakura Campus** (University of Kashmir) (**2024-2025**).
- **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, Deep Learning, Internet of Things, Operating System, C Programming, Data Science, Software Engineering, Database Management System, Computer Organization and Architecture, OOP with JAVA, Web Programming.

As Resource Person: -

- Resource Person for: Four-Week Internship Program on **Applied Data Tools and Programming** at University of Kashmir.
- Resource Person for: Internship Program on **Embedded System Design using Arduino and PLC with Edge AI** at University of Kashmir.

Co-Curricular skills: -

- National Cadet Corps “A Certificate” in **2nd J&k Battalion Jammu**.
- **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**.
- Participated in **IPR Awareness Workshop**.
- Participated in **India North Zone SSSF** for Volleyball.
- Participated in **All India IPSC Athletic Meet** held at Nabha.
- Participated in **NPTEL Faculty Development Program** workshop.

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”**, 2nd 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, 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, 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 **2nd 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**. 1st edition, CRC Press, 2022.

Personal Details: -

Name : Omar Farooq
Father Name : Farooq Ahmad khan
DOB : 01-01-1989
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Languages : English, Urdu, Hindi, Kashmiri, German
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References: -

1. Dr. Parminder Singh

Associate Professor
LPU PUNJAB

2. Dr. Shabir Ah Sofi

HoD, Dept of IT
NIT Srinagar

3. Dr. Abdul Mueed Hafiz

Sr. Assistant Professor
UoK (Zakura Campus)

4. Mrs. Yasmeen

HOD, Dept. of CSE
SSM College of Engineering

Declaration: -

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

Place: Srinagar

Date: 1st of Sep, 2025

