

## PROFILE

**NAME:** MOHAMED ARIF KHAN. K

**ADDRESS:**

**Office:**

Department of Computer Applications  
Jamal Mohamed College (Autonomous)  
Trichy – 620020  
Tel: 0431-2331535  
Mobile : 9791409119  
Email: [kmarif.mca@gmail.com](mailto:kmarif.mca@gmail.com), [kak@jmc.edu](mailto:kak@jmc.edu)



**DESIGNATION:** Assistant Professor

### EDUCATION DETAILS

DEGREE	SUBJECT	UNIVERSITY	YEAR OF PASSING
B.Sc	Physics	Jamal Mohamed College (Autonomous), Trichy	2007
M.C.A	Computer Application	Jamal Mohamed College (Autonomous), Trichy	2010
M.B.A	Human Resource Management & Systems	Bharathidasan University Trichy	2010
M.Phil	Computer Science	Jamal Mohamed College (Autonomous), Trichy	2015
PhD (Pursuing)	Computer Science	Jamal Mohamed College (Autonomous), Trichy	2020 -

### QUALIFYING EXAMINATION

S.NO	EXAM	SUBJECT	UNIVERSITY	MONTH & YEAR OF PASSING
1.	SET	Computer Science and Applications	Mother Teresa Women's University, Kodaikanal	March 2018

## EXPERIENCE SUMMARY

S.NO	DESIGNATION	INSTITUTION / COMPANY	FROM	TO
1.	Assistant Professor	Department of Information Technology, Jamal Mohamed College (Autonomous), Trichy	June 2019 (UG and PG)	Till Date
2.	Programmer	Department of Information Technology, Jamal Mohamed College (Autonomous), Trichy	June 2013	June 2019
3.	Web Developer	Staunchire Technologies	September 2012	February 2013
4.	Web Developer	Nittany Technologies	April 2011	July 2012
5.	Project Trainee	Nittany Technologies	November 2009	March 2010

## SUBJECTS TAUGHT

- B.C.A:**
1. Programming in C, C# and .NET Program., R Programming
  2. Web Technologies: HTML, PHP, JavaScript
  3. Mobile Application Development
- M.C.A :**
1. Distributed Technology
  2. .Net Programming

## LANGUAGES KNOWN

Tamil and English

## ACADEMIC RESPONSIBILITIES

1. Vice President of Computer Applications Association – Men from 2024 – 2025.
2. In-charge of NPTEL ONLINE COURSES from 2020.
3. IQAC Microcell Member from 2020 to 2023.
4. Department Placement Team Member from 2019- 2020.

## PATENTS GRANTED

1. **Design Number: 6409218, ML-BASED CLOUD DATA ANALYSIS DEVICE**, International Design Classification: Version: 14-2023, Class: 14 RECORDING, TELECOMMUNICATION OR DATA PROCESSING EQUIPMENT, Subclass: 02 DATA PROCESSING EQUIPMENT AS WELL AS PERIPHERAL APPARATUS AND EVICES. **Grant Date:10<sup>th</sup> December2024**, Intellectual Property Office, UK.

## PAPERS PUBLISHED

1. **K. Mohamed Arif Khan**, A.R. Mohamed Shanavas, Optimizing IoT application deployment with fog – cloud paradigm: A resource-aware approach, The Scientific Temper, 15(4):3225-3233.Doi:10.58414/SCIENTIFICTEMPER.2024.15.4. WoS

## **NATIONAL CONFERENCES – PAPERS PRESENTED**

1. **K. Mohamed Arif Khan**, Optimizing IoT Application Deployment with Fog – Cloud Paradigm: A Resource-Aware Approach, *National Conference on “Innovative Management Practices and Sustainability in VUCA World”* at Jamal Institute of Management, Jamal Mohamed College (Autonomous), Trichy, India held on 29.02.2024.

## **BOOK CHAPTERS PUBLISHED**

1. Authored a book titled “**The Future of Networking: IPv6 and Multimedia Innovations**” Trueline Publisher, ISBN: 978-93-91977-44-3, 2024.
2. Authored a book titled “**Cloud Computing: Tools. Technologies and Applications**” Leilani Katie Publication and PRESS, ISBN: 978-93-6348-847-2, 2024.

## **ADDITIONAL CERTIFICATE COURSES**

1. **Software Testing** course from Testing Sciences, Chennai and awarded on 14.03.2011.
2. **Free Open Source Software – LAMP** from Barathidasan University conducted from July 2008 to August 2008.
3. **One Year Diploma in Computer Applications and Multilingual DTP** from Computer Applications multilingual D.T.P. Centre at Jamal Mohamed College and awarded “Distinction” by DOECC Centre, Chandigarh, Ministry of Communications and National Council for Promotion of Urdu Language, Ministry of HRD, Government of India, New Delhi during July 2005.
4. **One Year Diploma in Urdu Language from July 2004 – 2005** from Jamal Mohamed College (Autonomous) and certified by National Council for Promotion of Urdu Language, Ministry of HRD, Government of India, New Delhi.
5. **Two Years Diploma in Functional Arabic from 2005 – 2007** from computerized Calligraphy Training Centre, Jamal Mohamed College (Autonomous), Trichy and awarded with “O” grade by National Council for Promotion of Urdu Language, Ministry of HRD, Government of India, New Delhi.
6. **Computer Hardware** from Systech Hardware Academy, Trichy in December 2005.

## **SHORT TERM COURSES / TRAINING PROGRAMMES**

1. Online Skilling Course on **Web Design & Development – English**, a course offered by NSDC through Skill India Digital Hub on December 7 2024.
2. Online Course on **Communication Skills** offered by TCS iON on MAY 24 2020.
3. Online Course on **Stress Management** organized by Department of Management and Research, AVS College of Arts & Science, Salem from 13.04.2020 to 17.04.2020.
4. Participated in **R training Programme** organized by Jamal Mohamed College (Autonomous), January 2020.
5. Participated in **GeoGebra 5.04 training Programme** organized by Jamal Mohamed College (Autonomous), January 2020.
6. NPTEL online certification course on **Software Testing**, January – February 2020.

## **SEMINARS / CONFERENCES / WORKSHOPS ATTENDED**

1. Participated in the “**NPTEL Workshop**” conducted by IIT Madras held on 22<sup>nd</sup> June 2024.
2. Participated in National Conference on “**Innovative Management Practices and Sustainability in VUCA World**” organized by Jamal Institute of Management, Jamal Mohamed College (Autonomous), Trichy held on 29.02.2024.
3. Participated in International Seminar on “**Advanced Computing (ISAC 2024)**” organized by PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Trichy held on 22.02.2024.
4. Participated in 2 days International Workshop on “**Unleashing Innovative Technologies**” organized by PG Department of Data Science & Department of B.Voc. Software Development, Holy Cross College (Autonomous), Trichy in collaboration with PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Trichy held on 19.02.2024 & 20.02.2024.
5. Participated in International Seminar on “**Exploring Future Technological Frontiers (ISEFTF’24)**” organized by PG Department of Computer Science, AIMAN college of Arts and Science, Trichy held on 17.02.2024.
6. Participated in the “**NPTEL Workshop**” conducted by IIT Madras held on 24<sup>th</sup> June 2023.
7. Participated in the “**NPTEL Workshop**” conducted by IIT Madras held on 25<sup>th</sup> June 2022.
8. Participated in National Level Online workshop on “**Documentation & profile Management NAAC & API**” organized by Department of Science and Humanities (English), K. Ramakrishna College of technology, Samayapuram, Trichy held on 10.06.2020.
9. Participated in Two days National Level Online Workshop on “**Internet of Things**” organized by Universal College of Engineering, Maharashtra in association with The Institute of Engineering and Technology held on 14<sup>th</sup> – 15<sup>th</sup> May 2020.
10. Participated in the “**Orientation Programme on MOOCS and E-learning**” organized by Department of Library, Jamal Mohamed College (Autonomous), Trichy held on 29<sup>th</sup> January 2020.
11. Participated in the “**NPTEL Workshop**” conducted by IIT Madras held on 25<sup>th</sup> January 2020.
6. Participated in 2<sup>nd</sup> **International Conference on Advanced Computing** organized by PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli – 20 in association with Binary University, Malaysia & Computer Society of India – Tiruchirappalli Chapter held on 11<sup>th</sup> & 12<sup>th</sup> December 2020.
7. Participated in Two days National level workshop on “**Data Mining Tools for Research (NWDMT 2019)**” organized by PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli – 20 held on 23<sup>rd</sup> & 24<sup>th</sup> January 2019.
8. Participated in Two days national level workshop on “**Research Methodology in Computer Science (WEKA & MATLAB)**” organized by PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli – 20 held on 2<sup>nd</sup> & 3<sup>rd</sup> March 2014.

## **FACULTY DEVELOPMNT PROGRAMS ATTENDED**

1. Two Weeks Faculty Development Program on “**Managing Online Classes and Co-Creating MOOCS**” organized by Teaching Learning Centre, Ramanujan College, New Delhi sponsored by Ministry of Human Resource Development, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching held from 20.04.2020 to 06.05.2020.

2. Two Days Online Faculty Development Program on **“Cloud Application Development”** organized by Computer Society of India in association with Department of Computer Science and Engineering, Christ (Deemed to be University), Bangalore held from 13.05.2020 to 14.05.2020.
3. Two Days National Level Faculty Development Program organized by North Storm Academy held from 13.05.2020 to 14.05.2020.
4. Three Days Faculty Development Program on **“Industry Perspective on Data Science and Cloud Computing”** organized by Department of Computer Science and Engineering in association with School of Computing, Muscat College, Muscat held from 14.05.2020 to 16.05.2020.
5. Three Days Faculty Development Program on **“My Life My Pride My Career”** organized by Department of Accounting and Finance, Patrician College of Arts and Science, Chennai in association with Audacious Dreams Foundation held on 18.05.2020.
6. Two Days Online Faculty Development Program on **“Migration IT Infra Using Cloud”** organized by Poornima Institute of Engineering and Technology held from 20.05.2020 to 21.05.2020.
7. One day International Faculty Development Program on **“AI Based Proctoring in Next Generation Education”** organized by IQAC and School of Computational Science, Shasun Jain College for Women held on 23.05.2020.
8. Two Days Online Faculty Development Training Program on **“Web Application Security”** organized by Department of Information Technology, Jeppiar Institute of Technology, Chennai held from 27.05.2020 to 28.05.2020.
9. One Week Online Faculty Development Program on **“Opportunities and Challenges in Electronics and Allied Industries in India post Covid-19”** organized by Department of Electronics Engineering in association with Institution’s Innovation Council of Vivekanand Education Society’s Institute of Technology held from 25.05.2020 to 30.05.2020.
10. Three days Faculty Development Program on **“Emerging Trends in Data Analytics and Cyber Security”** organized by Department of Computer Science and Applications, Islamiah Women’s Arts and Science College, Vaniyambadi held from 11.06.2020 to 13.06.2020.
11. Five days Faculty Development Program on **“E-Content Development”** organized by IQAC of Jamal Mohamed College, Trichy held from 30.06.2020 to 04.07.2020.
12. Five days Faculty Development Program on **“Quality Technical Paper Publication & Intellectual Property Rights”** organized by Department of Computer Science and Engineering, Atria Institute of Technology, Bangalore from 27.09.2021 to 01.10.2021.
13. Five days Faculty Development Program on **“Advance Research Methodology: Tools and Techniques”** organized by Institutions Innovation Council (IIC) and Department of Information Technology, Bon Secours College for Women, Thanjavur from 19.02.2022 to 24.02.2022.
13. One Week Faculty Development Programme on **“Applications of Machine Learning in Modern Cloud Era”** organized by Department of Computer Science and Applications, Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur, held from 28.10.2022 to 03.11.2022.
14. One Week Faculty Development Programme on **“Applications of Machine Learning in Modern Cloud Era”** organized by Department of Computer Science and Applications, Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur, held from 28.10.2022 to 03.11.2022.
15. One day Faculty Development Programme on **“Exordium to MOOCS & SWAYAM”** organized by PG & Research Department of Mathematics & IQAC, Jamal Mohamed College, Trichy on 16-12-2022

## **NATIONAL / INTERNATIONAL WEBINARS ATTENDED**

1. Participated in the webinar on **“Document Using Latex”** organized by Department of Mathematics, Arasu College of Arts and Science for Women, Karur held on 04.05.2020.
2. Participated in the webinar on **“Cyber Security”** organized by PG Department of Information technology, Jamal Mohamed College (Autonomous), Trichy held on 07.05.2020.
3. Participated in the webinar on **“NAAC Awareness Programme for Faculty”** organized by Marathwara Mithra Mandal Institute of Technology, Pune, held from 08.05.2020 to 14.05.2020.
4. Participated in the webinar on **“Unleashing Machine Learning and Cloud Computing”** organized by PG Department of Computer Science, Holy Cross College, Trichy held on 09.05.2020.
5. Participated in the webinar on **“Increase your KASH – For a Better Tomorrow – Industry Employability Perspective”** organized by Training and Placement Cell, Adithya Institute of Technology, Chennai held on 09.05.2020.
6. Participated in the live webinar on **“Assessment and Evaluation in Outcome Based Education”** hosted by Office of Controller of Examination, G.T.N Arts College, Dindigul, Tamilnadu held on 11.05.2020.
7. Participated in the webinar on **“Recent Trends in Cloud Computing”** organized by PG Department of Information technology, Jamal Mohamed College (Autonomous), Trichy held on 11.05.2020.
8. Participated in the webinar on **“Artificial Intelligence”** organized by Department of Computer Science, G.T.N Arts College, Dindigul, Tamilnadu held on 13.05.2020.
9. Participated in the National level webinar on **“AWS Fundamental: The Journey of Cloud”** organized by Patel Group of Institutions, Gujarat held on 16.05.2020.
10. Participated in the webinar on **“Ransomware: Evolution and Prevention”** organized by Department of Information Technology, G.T.N Arts College, Dindigul, Tamilnadu held on 18.05.2020.
11. Participated in the webinar on **“Renewable Energy: Focus on Wind Energy”** organized by Department of Science and humanities – Mechanical Engineering, R.M.D. Engineering College, Thiruvallur held on 22.05.2020.
12. Participated in the webinar on **“FOG Computing”** organized by Training and Placement Cell, P.K.N. Arts and Science College, Thirumanagalam held on 23.05.2020.
13. Participated in the webinar on **“Development of Deep Learning Architecture”** hosted by IETE – Mumbai in association with PANTECH Solutions held on 25.05.2020.
14. Participated in the National level webinar on **“IoT and its Application”** organized by Department of Computer Science, SLS.MAVM. Ayira Vaisyar College, Madurai held on 27.05.2020.
15. Participated in the webinar on **“5G Technology and its Applications”** organized by Department of Electronics and Communication Engineering, Sri Vasavi Institute of Engineering and Technology, Nandamuru, Andhra Pradesh held on 28.05.2020.
16. Participated in the webinar on **“Exploring Data Analytics using Spark Platform and Cloud Services using Kubernetes Containers”** organized by Department of Computer Science (Shift I), Bishop Heber College, Trichy held on 28.05.2020.
17. Participated in the Two days National webinar on **“Exploration Approach in Data Science”** organized by PG and Department of Computer Science, Idhaya College for Women, Kumbakonam held on 27.05.2020 and 28.05.2020.

18. Participated in the webinar on **“Enhancing the Teaching Skills”** organized by Department of Management Studies, St.Joseph’s College of Engineering, Chennai held on 29.05.2020.
19. Participated in the webinar on **“How to Face Challenges?”** organized by G.T.N Arts College, Dindigul, Tamilnadu held on 30.05.2020.
20. Participated in the International webinar series on **“Forensic Science for Society”** organized by Department of Forensic Science, G.T.N Arts College, Dindigul, Tamilnadu held on 02.06.2020.
21. Participated in the webinar on **“Wireless Communication Essentials”** organized by Jeppiar Institute of Technology, Sriperumbudur held on 02.06.2020.
22. Participated in the National webinar on **“Overview of Cloud Computing”** organized by PG Department of Computer Science and Applications, Mother Gnanamma Women’s College of Arts and Science, Ariyalur held on 03.06.2020.
23. Participated in the Live webinar on **“The Big 3: Applications and Research Perspective”** organized by Department of Computer Application, G.T.N Arts College, Dindigul, Tamilnadu held on 03.06.2020.
24. Participated in the webinar on **“environmental Studies”** organized by IITB remote Centre of Women’s Polytechnic College, Puducherry in association with Green Club of Kasthurba College for Women, Puducherry held from 03.06.2020 to 04.06.2020.
25. Participated in the webinar on **“Research Issues in the Digital Image Processing”** organized by Department of Computer Science, Government Arts and Science College, Kovilpatti held on 05.06.2020.
26. Participated in the webinar on **“Birds eye View on Artificial Intelligence”** organized by Department of Computer Science, Shrimathi Devkunvar Nanalal Bhatt Vaishnav College for Women, Chennai held on 06.06.2020.
27. Participated in the Live webinar on **“Future of Examinations: Bloom’s Taxonomy and Multiple Assessment Tools”** organized by G.T.N Arts College, Dindigul, Tamilnadu held on 08.06.2020.
28. Participated in the webinar on **“The Value of Values”** organized by Vedanta College held on 08.06.2020.
29. Participated in the webinar on **“Mobile App Development”** organized by Faculty of Computer Applications, Dr.M.G.R. Education and Research Institute, Chennai held on 09.06.2020.
30. Participated in the International Arabic webinar on **“Narrative Techniques in Short Stories”** organized by Rouzathul Uloom Arabic College, Kozhikode, Kerala held on 10.06.2020.
31. Participated in the International webinar on **“Data Analytics and Applications”** organized by PG Department of Computer Science, Bishop Heber College, Trichy held on 12.06.2020.
32. Participated in the webinar on **“Language Skills through LSRW”** organized by Department of English, Sengamala Thayar Educational Trust Women’s College, Trichy held on 12.06.2020.
33. Participated in the webinar on **“Machine Learning Onramp - Demo on Building Learning Models, Comparison and Visualisation”** organized by Department of Computer Science and Engineering, Gnanamani College of Technology, Namakkal held on 13.06.2020.
34. Participated in the webinar on **“Tax Planning and Investment Strategies”** organized by St. Aloysius Institute of Technology, Jabalpur held on 13.06.2020.



35. Participated in the webinar on **“ERP Microsoft Dynamics 365 F&O”** organized by PG Department of Information Technology, Hajee Karutha Rowther College, Uthamapalyam held on 13.06.2020.
36. Participated in the webinar on **“Design Thinking and IPR Process”** organized by Department of Civil Engineering, Government Engineering College, Haveri held on 14.06.2020.
37. Participated in the webinar on **“Mental Health during Covid-19”** organized by Department of Physical Education and Sports along with IQAC, Dhananjayrao Gadgil College of Commerce, Satara held on 15.06.2020.
38. Participated in the webinar on **“Research, Innovations and Extension”** organized by IQAC, Khadir Mohideen College, Adirampattinam held on 15.06.2020.
39. Participated in the webinar on **“Corona Pandemic Issues and Challenges related to Immunity: Lesson from Quran ”** organized by Department of Commerce, BMS, B.Sc IT., and CS along with IQAC, Maharaja College of Arts, Science and Commerce, Mumbai held on 18.06.2020.
40. Participated in the webinar on **“Mathematical Modeling in Biological Networks”** organized by Department of Mathematics with Computer Applications, Sri Malolan College of Arts and Science, Chengalpet held on 18.06.2020.
41. Participated in the National webinar on **“Virtual World Cyber Security and E-Learning”** organized by Department of Computer Science, Guru Nanak College, Budhlada held on 18.06.2020.
42. Participated in the Two days National webinar on **“English Literature and Criticism”** organized by Jnana Jyothi Evening Degree College, Bengaluru held on 19.06.2020 and 20.06.2020.
43. Participated in the Two days International motivational webinar on **“Global Pandemic Challenge: Mental Health and Future Education”** organized by Department of Zoology, G.T.N. Arts College, Dindigul held on 19.06.2020 and 20.06.2020.
44. Participated in the webinar on **“How to Improve Teaching Skills”** organized by Electronics and Communication Engineering, MLR Institute of Technology held on 24.06.2020.
45. Participated in the National webinar on **“Placement and Covid-19 – Reinventing yourself for Survival”** organized by Department of Information Technology in association with IQAC, Sathaye College held on 25.06.2020.
46. Participated in the International webinar on **“Returning to Shakespearean Tragedies and Sonnets ”** organized by Department of English, Hajee Karutha Rowther College, Uthamapalyam held on 26.06.2020.
47. Participated in the webinar on **“Space Astronomy”** organized by Department of Mechanical Engineering, Francis Xavier Engineering College, Tirunelveli held on 30.06.2020.
48. Participated in the webinar on **“National Education Policy - 2020”** organized by IQAC of Jamal Mohamed College, Trichy held on 08.08.2020.
49. Participated in the webinar on **“Best Practices in Acquiring Scholarly Knowledge”** organized by Department of Library and IQAC of Jamal Mohamed College, Trichy held on 16.08.2020.

**K. Mohamed Arif Khan.**