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https://knvd.github.io/

Naveed Jeelani Khan

Assistant Professor School of Technology, <u>Woxsen University</u> Hyderabad, Telangana -India



Objective

Enthusiastic about discovering new opportunities in Artificial Intelligence, Computational Intelligence in Decision Making, Data Science, and Machine Learning/Deep Learning. Committed to explore and expand my horizons through teaching and research, with a focus on creating innovative and sustainable solutions.

Education

May 2019 – December 2023 BGSB University Rajouri - 185234, J&K, India.

PhD Information Technology

Coursework Percentage: 80.5%

Thesis Title: A Computational Model for Efficient Cricket Talent Identification: A Fuzzy Optimization Based

Approach

Thesis Advisor: Dr. Gulfam Ahamad

Domain: Artificial Intelligence, Data Science, Computational Intelligence, Decision Making, Sports Science, Fuzzy System, Nonlinear Optimization & Soft

Computing.

August 2015 – October 2017 <u>University of Kashmir Srinagar</u> - 190006, J&K , India.

MSc Information Technology

Percentage: 86%

Thesis Title: HADES: A Hybrid Algorithm for Encryption /

Decryption Services

Thesis Advisor: Dr Majid Zaman Baba

March 2012 – January 2015 University of Kashmir Srinagar - 190006, J&K , India.

Bachelor of Science (BSc)

Percentage: 70.6%

Subjects: Mathematics, Physics, Information Technology

& English

Honors / Awards	May 2019	BGSBU University Fellowship This fellowship is provided to the single topper of the batch.
	July 2017	Programmer Certificates Earned programmer certifications in C, C++, Java, HTML, JavaScript, Python, PHP, SQL, C# and Swift from Sololearn.
Doctoral Research	2019 – 2023	BGSB University Rajouri - 185234, J&K, India. Role: Full Time PhD Research Scholar
Experience		Achievements:
Experience		 Accomplished all the proposed research
	05 Years	objectives in the department of computer sciences research lab at BGSBU Rajouri.
	Approx.	 Actively participated in research activities,
		including conducting workshops, webinars, and expert lectures.
		 Developed proficient machine learning skills and successfully applied them on projects like suicide detection, propaganda detection and cricket talent identification.
		 Engaged in teaching PG (MCA) students and providing guidance for their final projects.
		 Contributed to the departmental NAAC assessment in 2019.
		 Published multiple research papers in reputable SCI /Scopus/DBLP journals.
Teaching	May 2024 -	Woxsen University (WoU) Hyderabad, Telangana –
Experience	Present	India, 500033.
LAPOHOLICO		Role: Assistant Professor, School of Technology WoU.
		Course Taught :
	March 2024 -	University of Kashmir, South Campus Anantnag, J&K –
	May 2024	India, 192101.

 Course Taught: MCA21205DCE, Web Technologies (Frontend: HTML, CSS and Java Script, Backend: PHP & mysql)

Role: Assistant Professor, Department of Computer Science

02 Months

	March 2023 – Dec. 2023	Cluster University Srinagar (GCW), Srinagar, J&K – India, 190001. Role: Assistant Professor, Department of Information Technology
	10 Months	 Course Taught: Problem Solving through C, Information Technology: Concepts and Applications and Java Programming Language. Developed quizzes, exams, learning material, etc. Revised the syllabus to meet accreditation standardsActively engaged in the Examination related activities like Paper Setting, Paper Evaluation, Exam Invigilation, etc. Invigilated various national level exams like NEET, UPSC recruitment exams, state level recruitment tests, etc.
	April 2018 – May 2019	ICSC Hawal, Srinagar, J&K -India (UGC Autonomous College) Role: Teaching Faculty, Department of Information Technology
	1 Year & 02 Months	 Lectured B.Sc. IT, BCA, BCOM and BBA Classes. Subjects Taught: Open-Source Technologies, Database Management System, Computer Fundamentals, Computer programming and e- commerce. Actively engaged in the Examination related activities like Paper Setting, Paper Evaluation, Exam Invigilation and College Committees.
Industry Experience	Jan 2023 – Dec 2023	Infoscience Labs, Corporation 98 The Green, Ste A, Dover, DE 19901, USA. Role: Full Stack Web Developer
	01 Year	Worked as a PHP Web developer for a Cold Emailing Web Software "SendCrux" (Laravel 9).
Total Working Experience	08 years	Research + Teaching + Industry
Professional Affiliations	2020 – 2021	Student Member at Soft Computing Research Society (Id 2020-06-25-1106)
	2019	Student Member at USENIX , The Advanced Computing Systems Association

Presentations

2020 -

Paper Presentations

2023

- 1. "Fuzzy Discrete Event System", International Conference on Renewable Power 2020 (ICRP-2020)
- 2. "A Fuzzy Optimization based Cricket Talent Acquisition and Ranking Quotient (C-TARQ)", 5th International Conference on Multimedia, Signal Processing and Communication Technologies (IMPACT-2022)
- 3. "Talent Identification Using Fuzzy Analytical Hierarchy Process (F-AHP)", National Conference on Recent Innovations in Science, Social Science, Humanities and Arts, 2020.

Publications

2021 – 2024

Journal publications

- N. J Khan, Gulfam Ahamad, Fuzzy Optimisation based Cricket Talent Identification Model, Expert System with Applications (ESWA), Elsevier (SCI Q1), (2024) 237(C), IF 8.6. ISSSN: 1873-6793 . DOI: https://doi.org/10.1016/j.eswa.2023.121573
- Reyaz, N., Ahamad, G., Khan, N.J. et al. SVMCTI: support vector machine based cricket talent identification model. Int. j. inf. Technology(IJIT), Springer Nature (SCOPUS), Germany (2024). ISSN: 2511-2112. Doi: https://doi.org/10.1007/s41870-023-01686-w
- 3. **Khan N.J**, Ahamad G, Reyaz N, Naseem M. Optimal feature selection for cricket talent identification. International Journal of Advanced Technology and Engineering Exploration, **IJATEE** (SCOPUS) 2023; Vol. 10(98), pg. 67-86. ISSN: 394-5443. Doi: https://doi.org/10.19101/IJATEE.2021.876300
- N. J. Khan, G. Ahamad and M. Naseem, An IoT/FOG based framework for sports talent identification in COVID-19 like situations In: Int. j. information technology (IJIT), Springer Nature (SCOPUS), Germany. Vol 14, Pg. 2513–2521. ISSN: 2511-2112. Doi: https://doi.org/10.1007/s41870-022-00984-z (2022).
- N. J. Khan, G. Ahamad, M. Naseem and S.Sohail. Computational Efficiency in Sports Talent Identification: A Systematic Review In: International Journal of Applied Decision Sciences (IJADS), Inderscience, Geneva (SCOPUS). Vol. 16(03), pg. 358-384. ISSN: 1755-8085. Doi: https://doi.org/10.1504/IJADS.2023.130600 (2022)

2021 Book Chapters

 N. J. Khan, G. Ahamad, M. Naseem and Q R Khan. Fuzzy Discrete Event System (FDES): A Survey. In: Renewable Power for Sustainable Growth. Lecture Notes in Electrical Engineering, LNEE, vol 723. Springer, Singapore. Vol 01(01), pg 531-544. ISBN: 978-981-33-4080-0. Doi: https://doi.org/10.1007/978-981-33-4080-0 51 (2021).

2021 – Conference papers 2024

(Peer-Reviewed)

- N. J. Khan, G. Ahamad and M. Naseem, "A Fuzzy Optimization based Cricket Talent Acquisition and Ranking Quotient (C-TARQ)," 2022 5th International Conference on Multimedia, Signal Processing and Communication Technologies (IMPACT-2022) organized by the Department of Electronics Engineering, A.M.U., Aligarh and co-sponsored by IEEE UP Section & IEEE USA held from 26 November to 27 November 2022, pp. 1-6. https://doi.org/10.1109/IMPACT55510.2022.10029020
- N. Reyaz, G. Ahamad, N. J. Khan and M. Naseem, "Machine Learning in Sports Talent Identification: A Systematic Review," 2022 2nd International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET), Patna, India, 2022, pp. 1-6, https://doi.org/10.1109/ICEFEET51821.2022.9848247
- Islam S, Jamwal S, Mir M.H, Khan N.J, Nabi F (2021) A
 Comprehensive Study of IoT-Machine Learning and
 Fog Computing: Concepts, Applications,
 Advantages and Challenges. In: International
 Conference on Recent Trends in Engineering and
 Technology, ICRTET-2021, ISBN 978-93-5457-263-0, Vol
 1, Pages: 5 17.

(Abstract-Reviewed)

4. **Khan N.J.** (2021) Talent Identification Using Fuzzy Analytical Hierarchy Process (F-AHP) In: National Conference on Recent Innovations in Science, Social Science, Humanities and Arts At: Government Degree College Poonch, J&K

Professional Training

2018 -

2024

- Participated and successfully completed all the requirements for the completion of 40 hours online Capacity Building Programme on "Blockchain Technology and Applications" organized during June 15-24, 2023 under a project on "Empowering Girls to Reduce the Gender Gap in IT and ITES Sectors in South Asia Region: Training and E-Content Development Programme.
- Successfully completed (with merit) one month course on "Quantum Computing using Indigenous Quantum Simulator QSim" jointly organized by IIT Roorkee and C-DAC Hyderabad with the support of Ministry of Electronics and Information Technology, Government of India held during 6 - 28 May 2023.
- One Week Faculty Development Programme on Data Science Applications in Science and Technologies organized by Department of Computer

- Sciences, BGSB University, Rajouri, J&K, India under the banner of Kamyaabi-An Initiative in Career Development from 28th March to 01st April, 2022.
- 4. One Day Webinar on The Blockchain Technology Revolution organised by Internal Quality Assurance Cell (IQAC), Baba Ghulam Shah Badshah University on 12th of February, 2022.
- 5. Faculty Development Programme on **Artificial Intelligence in Business** organized by Department of Data Science, St. Joseph's College (Autonomous) Tiruchirapalli , 11th of January 2022.
- 6. Webinar on "Artificial Intelligence and Machine Learning Emerging Trends and Applications" organised by the Department of Information Technology, Baba Ghulam Shah Badshah University, Rajouri, J&K on 06-10-2021.
- 7. Webinar on "**Recent Trends in Energy & Power Systems**" organised by the Department of Electrical Engineering, S.o.E.T., Baba Ghulam Shah Badshah University, Rajouri, Jammu & Kashmir on 1-10-2021.
- 8. Webinar on "Application of Cognitive Technologies in Industry 4.0" organized by Department of Computer Sciences, BGSB University, Rajouri on 18th of September, 2021.
- 9. National Level Webinar on "IoT Communication Protocols" on September 15th, 2021 organized by Department of ECE, Nehru Institute of Engineering and Technology, Coimbatore -641105.
- 10. Webinar on **6G for a Hyperconnected Future** on 11 September, 2021, organized by BVICAM, New Delhi.
- 11. One Week Faculty Development Programme on **Cyber Security in Digital Era** organized by Department of Computer Sciences, BGSB University,
 Rajouri, under the banner of Kamyaabi-An Initiative in Career Development
 from 23rd of August, 2021 to 27th of August, 2021.
- One Week International Workshop on Recent Advancement on Electronics and Computer Intelligence. (RAECI -2021), program held on 26th to 30th April 2021 (Online) and organized by the Department of Electronics and CSE&A, Sambalpur University Institute of Information Technology (SUIIT), Burla, Odisha, INDIA.
- 13. One Week International Seminar on **Electronics and Computing Technology** (ISECT -2021), program held on 27th March 1st April 2021 (Online) and organized by the Department of Electronics, Sambalpur University Institute of Information Technology (SUIIT), Burla, Odisha, INDIA.
- 14. International Seminar on Advances in Artificial Intelligence and Machine Learning jointly organized by Department of Computer Engineering & Interdisciplinary Centre for Artificial Intelligence, Aligarh Muslim University, Aligarh held from 19th March 2021 to 21st March 2021 in online mode.
- National Webinar on AWS Cloud & Internet of Things (IoT) on 19th March 2021 Organised by PG Department of Computer Science (SSC), St. Mary's College (Autonomous), Thoothukudi.
- 16. TEQIP III RTU (ATU) Sponsored 2nd International Conference on Recent Development in Engineering and Technology jointly organized by Rajasthan Technical University (RTU) and Kota and Anand International College of Engineering, Jaipur held from 26 to 27 February 2021.
- 17. Online Content Contest on Fake News: A Weapon of Evil organized Online By P2PTeam, Baba Ghulam Shah Badshah University Under Facebook Peer To Peer Global Digital Challenge on 18/02/2021
- 18. Two days' International webinar on **Modern Nature Inspired Optimization Techniques (MNIOT-2021)** organized by Department of Mathematics, Indira

- Gandhi National Tribal University (IGNTU), Amarkantak (M.P.), during January 24-25,2021.
- 19. AICTE-ISTE approved Orientation/Refresher Programme on "**Developing Secure IOT Applications**" held during 14.12.2020 to 19.12.2020 organized by Shah & Anchor Kutchhi Engineering College, Mumbai, Maharashtra.
- National Level Faculty Development Programme (FDP) on "Data Analysis Using Ms Excel" conducted by Department of Statistics, Amity University, Noida, U.P., India organized by Department of Mathematics in association with the Internal Quality Assurance Cell(IQAC), BBDNIIT from December 25 to 27, 2020.
- 21. TEQIP-III sponsored one week online Short Term course On "Mathematics Without Boundaries" Organized by Department of Mathematics, National Institute of Technology, Srinagar during 23-27 November, 2020.
- 22. Webinar on **AI in Everyday Life Threat or Opportunity** held on 04 December, 2020 by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi.
- 23. One Week Faculty Development Programme on **Scientific Writing Using Latex** under the banner of Kamyaabi An initiative in Career Development, organized by Department of Computer Sciences, BGSB University, Rajouri, from 05th October, 2020 to 9th of October, 2020.
- 24. TEQIP-III Sponsored One Week Short Term Course on Data Analytics Tools and Techniques (DATT-2020) held online from 22nd September 2020 to 26th September 2020 organized by Department of Computer Science and Engineering, Dr B R Ambedkar National Institute of Technology Jalandhar.
- 25. Online Workshop / Faculty-Development-Programme on Recent Research Trends in Information Technology from September 12, 2020 to September 18, 2020. The Programme was organised by Islamic University of Science and Technology (IUST), J&K in collaboration with Maulana Abul Kalam Azad University of Technology, West Bengal.
- 26. Participated in two days International Conference on "Rediscovering Management of Business Post COVID 19" organized by CMS JAIN (Deemed University) on 8th and 9th August 2020.
- Participated in International Webinar on "Leveraging Artificial Intelligence in Healthcare - Special Reference to COVID19 Pandemic" organized by Amar Singh College, Srinagar, J&K on 28th July 2020.
- 28. Completed the **Python Quiz** conducted by Department of Applied Science and Humanities in association with Department of IT RAJIKYA Engineering College, Ambedkar Nagar, UP on 22nd July 2020.
- 29. Participated in National Seminar on "Advancements in Computing and Informatics" organized by Department of Information Technology, BGSBU Rajouri, J&K on 21st July 2020.
- 30. Attended a Webinar on "A Roadmap of Social Media Analytics" organized by Department of Master of Computer Applications Guanama College of Technology Namakkal, Tamil Nadu on 20th July 2020.
- 31. Attended International E-Conference on "Environmental Ethics in Pandemic Times" organized by School of Bioscience and Biotechnology BGSBU Rajouri , J&K on 19th July 2020.
- 32. Attended Webinar on "Artificial Intelligence: Redefining the future of Technology" organized by Media Cell, BGSBU Rajouri, J&K on 15th July 2020.
- 33. Participated and completed all the requirements of 3 credit two-week FDP Course on "Advanced Optimization Techniques and Hands-on with MATLAB/SCILAB" jointly organized by Electronics and ICT Academies (MNIT

- Jaipur, NIT Patna and IIIT DM Jabalpur) under the Scheme by Ministry of Electronics and Information technology (MeitY), Government of India, Endorsed by AICTE, UGC/NBA from 13th to 24th July 2020.
- 34. Participated and presented the paper "Fuzzy Discrete Event System, a survey" in Two Days "International Conference on Renewable Power 2020 (ICRP-2020)" organized by respective Electrical Engineering Departments of BGSBU Rajouri and ZHCET, AMU Aligarh from 13th to 14th July 2020.
- 35. Participated in 2 days online FDP on "Handgrip between IoT and Machine Learning" organized by Department of ECE and BME, ARASU Engineering College, Chennai from 6th to 7th July 2020.
- 36. Participated in two days International Virtual Conference on "Modern Instrumental and Characterization techniques in Applied Sciences 2020 (IMCTAS-2020)" organized by Department of Chemistry, HNB Govt PG College, Khatima, Uttarakhand in collaboration with Uttarakhand Science Education and Research Center (U-SERC) from 5th to 6th July 2020.
- 37. Participated in Three Days National Workshop on "**How to Draft Effective Scientific Publications**, **Patents and Patent Filing**" organized by Department of Electrical and Electronics Engineering, Research and Development Cell, BIET, Hyderabad from 2 to 4th July 2020.
- 38. Attended SCRC lecture series on "**Deep Learning with TensorFlow**" organized by Soft Computing Research Society, New Delhi in collaboration with Islamic University of Science & Technology, J&K from 1st to 6th July 2020.
- 39. Attended 1.5-hour Webinar on "**Preservation of Module Networks across Independent Datasets**" organized by Department of Instrumentation and Control Engineering, Dr B R Ambedkar NIT Jalandhar on 29th June 2020.
- 40. Participated in 5-Days online Short term Course on "**Essential Tools in Optimization**" organized by Department of Mathematics, Dr B R Ambedkar NIT Jalandhar on 25-29th June 2020.
- 41. Participated in Webinar on "Role of Big Data Analytics in Healthcare" organized by VELS Institute Of science and technology Chennai on 23rd June 2020
- 42. Participated in 3-day Online IDEATHON on "**Fight Corona**" organized by MHRD innovation cell, AICTE, FORGE and InnovationCuris on 27-29 March 2020.
- 43. Participated in one-week workshop on "Machine Learning Using Python" conducted by the Electronics and ICT, IIT Roorkee at Islamic University of Science & Technology, J&K, from 1st to 5th July 2019.
- 44. Participated in one-week AICTE Recognized Short term course on "Open-Source Technologies" Conducted by Computer science and Engineering Department NITTTR, Chandigarh, at BGSBU Rajouri, J& K from 10th to 14th February 2020.
- 45. Participated in one-week AICTE Recognized Faculty Development Programme on "**Data Science using R**" Conducted by Computer science and Engineering Department NITTTR, Chandigarh, at BGSBU Rajouri, J& K from 14th to 18th October 2019
- 46. Participated in "CoSEDS 2018: Conference on Software Engineering and Data Sciences", held on June 20- 21, 2018, Organized by Department of Computer Science, North Campus University of Kashmir Venue- University of Kashmir, Srinagar, India.

Profiles and ID's

1. ORCID https://www.orcid.org/0000-0003-3574-8708

2. LinkedIn https://www.linkedin.com/in/naveedjk

Web of https://www.webofscience.com/wos/author/record/38891180

Science (WOS ID: HPH-0994-2023)

4. ACM Digital https://dl.acm.org/profile/99661111521

Library

5. Scopus https://www.scopus.com/authid/detail.uri?authorld=57223600881

6. Google https://scholar.google.co.in/citations

Scholar

7. Github https://www.github.com/knvd

8. Sololearn https://www.sololearn.com/Profile/982817

9. Researchgate https://www.researchgate.net/profile/Naveed-Khan-25

10. Vidwan https://vidwan.inflibnet.ac.in/profile/470877

11. Computer Science Bibliography

(DBLP)

https://dblp.org/pid/356/5161.html

Tools 2022 Developed

C-TARQ (Cricket Talent Acquisition and Ranking Quotient)

A web application to implement our cricket talent identification model based on non-linear fuzzy optimization.

2021 CFeat Framework

A machine learning based framework for feature selection in

cricket talent identification.

2017 HADES (A Hybrid Algorithm for Encryption/Decryption Services)

A web-based hybrid cryptographic algorithm. Code is available

on Git Hub.

Areas of Interest

- 1. Data Science
- 2. Artificial Intelligence (Applied Soft computing with Fuzzy Sets)
- 3. Computational Intelligence in Decision Making
- 4. Multicriteria Decision Making(MCDM)
- 5. Applied Optimization
- 6. Machine Learning
- 7. Internet of Things

Computer based Skills

Writing Tools: LaTeX, LibreOffice, Microsoft Office and Mind Mapping

Tools (e.g., XMind).

Reference

Managers: Mendeley, Zotero and BibTeX

Version Control: Git and GitHub

Programming

Environments: Jupyter Notebooks, MATLAB studio, Spyder, RStudio,

Net Beans, VS Code, etc.

Research

Databases: Google Scholar, Science Direct, ACM Digital Library,

IEEE Xplore, SCOPUS, etc.

Communication, Collaboration and

Project

Management: Trello, GitHubSlack, Zoom, Microsoft Teams, Google

Meet, Webex and Skype.

Operating Systems:

Windows, Linux and macOS

Systemas.

Frameworks: Asp.net and LARAVEL.

Programming

Languages: PYTHON, R, C, C++, JAVA, C#, MATLAB, PHP, UNIX

Scripting, etc.

Database: MySql and MSSQL.

Multimedia &

Graphics: Adobe Photoshop, Adobe Illustrator, Corel Draw,

Adobe Premiere, GIMP, etc.

Languages

Kashmiri **Native** Language

Urdu Native Language

English Advanced Listening, Speaking, Writing and Reading

Arabic Intermediate Listening, Speaking, Writing and Reading

Hindi Intermediate Listening, Reading, Writing. Novice

Speaking

Spanish **Novice** Listening, Reading, Writing, Speaking

Persian Absolute Beginner

Hobbies

- Reading and Writing
- Research and Innovation
- Programming and Mathematics
- Nature Photography
- Gardening and Sports
- Traveling and Volunteering

Personal Details

Father's Name: Gh Jeelani Khan

Permanent Address: Mandoora Tral, Pulwama Jammu and Kashmir UT:

Country: India PIN: 192123

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E-mail: naveedjeelani@basbu.ac.in

naveed1313@gmail.com

Date of Birth: November 20, 1994

Marital Status: Married

Passport No. : V0964161 (valid up to 05/12/2031)

References

Dr Gulfam Ahamad

Assistant Professor, Department of Computer Sciences, BGSB

University Rajouri, J&K -185234 India.

Profile: https://www.basbu.ac.in/depcs/fcltyresum/Dr-Gulfam.pdf

Email: gulfamahamad@bgsbu.ac.in

Phone: (+91) 8750421732

Dr Majid Zaman Scientist, Directorate of Information Technology & Support System, University of Kashmir, Hazratbal, Srinagar 190006 - J&K India.

Profile:https://kashmiruniversity.net/Diga/Resume/zamanmajid.pdf

Email: ermajid@uok.edu.in Phone: (+91) 9419077076

Malik

Dr. Majid Bashir Head of the Department, Department of Computer Sciences,

BGSB University, Rajouri (J&K) India.

Profile: https://www.bgsbu.ac.in/depcs/fcltyresum/CV-Jan-

2018 Majid.pdf

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Phone: (+91) 9419182881

Declaration

I hereby declare that all statements made in this curriculum vitae, are true, complete and correct to the best of my knowledge.

Naveed Jeelani Khan

Place: Srinagar, J&K. Date: 01 January 2024