



Dr. YASIR RASHID

Assistant Professor

ADDRESS

Official

Department of Computer Science
Islamic University of Science and
Technology, 1-University Avenue,
Awantipora, Pulwama, 192122,
Jammu and Kashmir

Residential

CheckPora Kalan, Kenihama
Nowgam Bypass Srinagar, 190015,
Jammu & Kashmir India

CONTACT

+91 7780818780

Yasir.rashid@iust.ac.in

aasimyasir14@gmail.com

yasir-rashid-a474421a0

0000-0002-1430-4879

PERSONAL INFO

Date of Birth

14 April 1990

Languages

English and Urdu
Professional Working Proficiency

Kashmiri
Native Language

Technical Skills

Programming Languages

Python, C, C++, JAVA

Data Analysis

Pandas, NumPy, PyG

Data Visualization

matplotlib, seaborn

Machine Learning and Deep Learning

scikit-learn, tensorflow, keras,
Pytorch, PyG, DLG

Database Management

MySQL, SQL Server, Oracle 10g

PROFILE

I am an Assistant Professor at Islamic University of Science and Technology, with expertise in Artificial Intelligence, Social Network Analysis, and drug discovery using Graph Convolutional Networks, as well as Healthcare Analytics through Deep Learning. My research focuses on developing advanced machine learning models for complex real-world problems, particularly in healthcare and network-based systems. I have published several research papers in internationally reputed journals indexed in SCI and Scopus. In addition, I have authored two books and contributed a chapter to an academic volume. I have also participated in various international conferences.

WORK EXPERIENCE

- March 2026 - Present **Assistant Professor**
Islamic University of Science and Technology,
Kashmir
- Jan 2015- May 2016 **Internship**
Swarnim Infosoft Pvt. Ltd.
- Jan 2016- Dec 2016 **Network Support Engineer**
Rooman Technologies ISO 2008 Company
- Jan 2017- Nov 2017 **Guest Faculty**
Department of School Education, J&K
Srinagar INDIA
- Mar 2018- May 2019 **Guest Faculty**
Department of School Education, J&K
Srinagar INDIA

EDUCATION

- 2020 - 2025 **PhD**
Social Networks analysis using Graph Convolution
Networks, Drug Discovery using GCN
Department of Computer Science
Islamic University of Science and Technology
- 2013 - 2016 **MCA Masters in Computer Applications**
IMS Dehradun affiliated to Uttarakhand Technical
University Dehradun
- 2010 - 2013 **Bachelors in Information Technology**
IMS Dehradun affiliated to HNBGU Central university
Garhwal

Exams Qualified

UGC NET

June 2019
Computer Science and
Applications
Qualified for Assistant Professor
MANF-JRF

OCA(Oracle Certified Associated)

2013
1Z0-007 Introduction to Oracle 9i: SQL
1Z0-147 Program with PL/SQL

PUBLICATIONS

- [1] **Rashid, Y.**, & Bhat, J. I. (2024). OlapGN: a multi-layered graph convolution network-based model for locating influential nodes in graph networks. *Knowledge-Based Systems*, 283, 111163.
- [2] **Rashid, Y.**, & Bhat, J. I. (2024). An insight into topological, machine and Deep Learning-based approaches for influential node identification in social media networks: a systematic review. *Multimedia Systems*, 30(1), 1-25.
- [3] **Rashid, Y.**, & Bhat, J. I. (2024). Topological to deep learning era for identifying influencers in online social networks: a systematic review. *Multimedia Tools and Applications*, 83(5), 14671-14714.
- [4] **Rashid, Y.**, & Bhat, J. I. (2023). Unlocking the Power of Social Networks with Community Detection Techniques for Isolated and Overlapped Communities: A Review. *Indian Journal Of Science And Technology*, 16(25), 1857-1871.
- [5] NeuroQuantology| February 2021 | Volume 19 | Issue 2 | Page 355-372|doi:10.48047/nq.2021.19.2.NQ21060 **Yasir Rashid** et al/ Synergistic Fusion: Graph Convolution Networks Integrating Structural and Machine Learning Approaches for Influential Node Identification Using Graph Convolution Networks
- [6] NeuroQuantology | April 2020 | Volume 18 | Issue 4 | Page 60-73| doi: 10.48047/nq.2020.18.4.NQ20162 **Yasir Rashid** et al/ Mapping of Interconnected Social Groups in online Networks and Exploring Digital Spaces for community detection
- [7] Neuro Quantology | November 2022 | Volume 20 | Issue 13 | Page 2820-2829 | doi: 10.14704/nq.2022.20.13.NQ88351 Najmu Nissa , Sanjay Jamwal, **Yasir Rashid**, / An Experimental Investigation Towards the Detection of Cardiovascular Disease at an Early Stage by Employing Techniques of Machine Learning and Deep Learning.
- [8] OGCN-CCI: A Graph Convolutional Network Framework for Detecting Cross-Community Influencers in Overlapping Social Networks[**SUBMITTED**]
- [9] An Experimental Study on Coronary Artery Disease Prediction based on MRI Images using Deep Learning[**SUBMITTED**]

Book Chapters

- [1] Nissa, N., Jamwal, S., Bhat, J.I., **Rashid, Y.** (2024). Data Collection and Analysis: The Foundation of Evidence-Based Research in Various Disciplines. In: Sheikh, J.A., Khan, T., Kanaujia, B.K. (eds) *Intelligent Signal Processing and RF Energy Harvesting for State of art 5G and B5G Networks*. Energy Systems in Electrical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-99-8771-9_9

Books Published

- [1] Information Technology/Information Enabled Services: Domestic Data Entry Operator.
ISBN: 978-93-95125-23-9
Category: Academic
Catalogue: Computing and Information Technology
ID: SB20299
- [2] Employability Skills for Communication.
ISBN: 978-93-95125-22-2
Category: Academic
Catalogue: Reference
ID: SB20298

Conferences

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- [1] Detection of Influential Users in Online Social Networks : A Technological Review
National Conference on Recent Innovations in Emerging Computing Technologies

 - [2] Exploring Influence and its Implications in Online Social Networks: A Review.
3rd International Conference on Innovations in Management & Information Technology (ICIMIT-23)

 - [3] Community Detection in Online Social Networks: A Survey
2nd International Conference on Applied Mathematics & Computational Sciences-2022 (ICAMCS-2022)

 - [4] Deep Learning Based Framework for Prediction of Coronary Artery Disease
3rd international conference on innovations in management & information technology(ICIMIT-23).
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Awards

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- [1] MANF-JRF Fellowship

 - [2] Participated in LAMHE-2012 IT-QUIZ on 2th April and 28th April and achieved First Position.

 - [3] Participated in LAMHE-2012 LORD OF CODE on 2th April and 28th April and achieved Second Position.

 - [4] Participated in Academic Event Logical Ability test on 18/03/2013 and achieved Second Position.

 - [5] Participated in Academic Event Programming competition on c and c++ on 5th Feb 2013 and achieved First Position.
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Extra-Curricular Activities

Active Participations

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- [1] Lecture series on the Use of High Performance Computing in Artificial Intelligence and Image Processing (3-lectures)

 - [2] Participated in Musical Activity at IMS Dehradun and secured 2nd Position.
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Workshops

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- [1] One-week workshop conducted by University of Kashmir on Research Methodology and Research Ethics from November 16th, 2021 to November 22nd, 2021 .
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- [2] Attended Workshop on Convergence of HPC and Artificial Intelligence at IUST Kashmir from 02 November to 3rd November 2022.
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- [3] Attended workshop at NIIT Dehradun Rajpur Rd Centre on Oracle Database 10g.
- **Introduction to SQL**
 - **PL/SQL Fundamentals**
 - **Administration Workshop I**
 - **Administration Workshop II**
- From 1/03/2012 to 31/12/2012
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- [4] Attended workshop on Java Technology of DUCAT at IMS Dehradun on 17th October 2014.
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- [5] Attended workshop on Information Security and Ethical Hacking at Custard Apple Technologies from 19 May 2012 to 20 May 2012.
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- [6] Attended course on Java(J2see, j2ee) at Technical Solutions Registered firm Under Govt of Uttarakhand from 1st January 2013 to 30th April 2013.
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- [7] Attended Course on Core Java , Advanced Java (SWING, JDBC, NETWORK PROG, RMI) at Mehuli Enterprises UNISOFT Technologies from 10th Sep 2014 to 29th November 2014.
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- [8] Attended Professional Development Program at IMS Dehradun from 7th August 2014 to 30th November 2014.
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- [9] Attended Course on Applications of MySQL and PHP at NIIT Dehradun 48 Hours duration.
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- [10] A one-day capacity-building workshop on the Use of High Performance Computing in AI and Image Processing for Skill Development Department (Polytechnic sector Jammu and Kashmir) organized by Department of Computer Science and Engineering and Department of Computer Science, Islamic University of Science and Technology (IUST), Kashmir from 23 March 2023
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- [11] Participated in Campus Recruitment Training Program(CRTP) conducted by Career Launcher from 27th August 2013 to 15th November 2013
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- [13] Participated in Campus Recruitment Training Program(CRTP) conducted by Career Launcher from 7th August 2014 to 30th November 2014.
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