

Adil Mudasar Malla, Ph.D. (Under-submission)







✉ adil.mudasir@iust.ac.in ☎ +91-9622421123

✉ @aadilit  Adil Malla




📍 Banderpora, Anantnag (Kashmir), J&K - 192124



History







- 2019 – 2020  **Assistant Professor**, National Institute of Technology Srinagar, Department of Computer Science and Engineering.
- 2018 – 2019  **Teaching Assistant (Graduate Intern)**, Indian Institute of Technology Jammu, Department of Computer Science and Engineering
- 2017 – 2018  **Assistant Professor**, Islamic University of Science and Technology, Department of Computer Science and Engineering.
- 2016 – 2017  **Assistant Professor**, National Institute of Technology Srinagar, Department of Information Technology.
- 2014 – 2015  **Assistant Professor**, National Institute of Technology Srinagar, Department of Computer Science and Engineering.
- 2013 – 2014  **Lecturer**, Government Polytechnic College Shopian.

Education

- 2022 – 2026  **Ph.D. (Under-submission) Computer Science & Engineering; Islamic University of Science & Technology, Srinagar.**
Thesis title: *Deep Graph Analytics for De novo Drug Design*
- 2011 – 2013  **M.Tech. Computer Science & Engineering; Lovely Professional University, Punjab**
Thesis title: *Vehicle to Vehicle Communication Protocol (Cooperative Collision Warning in VANETs).*
- 2006 – 2010  **B.E. Information Technology Engineering, University of Jammu, Jammu.**
Thesis title: *Remote Desktop Administration.*

Research Publications

Journal Articles

-  A. M. Malla and A. A. Banka, "Comprehensive review of graph neural networks: Challenges, classification, architectures, applications, and potential utility in bioinformatics," *Expert Systems*, vol. 42, no. 8, e70091, 2025.
-  I. A. Reshi, A. M. Malla, S. Sholla, and A. A. Banka, "Harnessing blockchain for resilient emergency message dissemination in vehicular ad hoc networks," *International Journal of Vehicle Information and Communication Systems*, vol. 10, no. 2, pp. 206–225, 2025.
-  A. M. Malla and A. A. Banka, "Sustainable signals: A heterogeneous graph neural framework for fake news detection," *International Journal of System Assurance Engineering and Management*, pp. 1–8, 2024.
-  U. Amin, A. M. Malla, I. Amin, and R. Jan, "Substance abuse: A public health concern," *Indian Journal of Psychiatric Nursing*, vol. 20, no. 2, pp. 168–178, 2023.
-  A. M. Malla and U. Amin, "Scope of technology in health care, special focus on nursing," *Journal of Integrative Nursing*, vol. 5, no. 4, pp. 300–310, 2023.
-  A. M. Malla and R. K. Sahu, "A review on vehicle to vehicle communication protocols in vanets," *International Journal of Advanced Research in Computer Science and Software Engineering*, vol. 3, no. 2, Feb. 2013.

- 7 A. M. Malla and R. K. Sahu, "Security attacks with an effective solution for dos attacks in vanet," *International Journal of Computer & Applications*, vol. 66, no. 22, 2013.

Conference Proceedings

- 1 A. M. Malla, A. A. Banka, and U. Amin, "Overcoming data imbalance in molecular profiling: A machine learning approach for drug prediction," in *Proceedings of the International Conference on Frontiers in Computing and Systems (COMSYS 2025)*, Presented; under printing; Scopus indexed, Warsaw University of Technology, Warsaw, Poland, Sep. 2025.
- 2 A. Pandey, A. M. Malla, A. A. Banka, and M. K. Pandit, "Bridging molecular features and solubility towards drug design: A machine learning framework for solubility prediction," in *Proceedings of the 13th International Conference on Soft Computing for Problem Solving (SocProS 2025)*, Presented; under printing; Scopus indexed, Indian Institute of Technology Roorkee, Roorkee, India, Feb. 2025.
- 3 A. M. Malla and A. A. Banka, "Sustainable signals: A heterogeneous graph neural framework for fake news detection," in *Proceedings of the International Conference on Artificial Intelligence, Machine Learning & Intelligent Systems (ICAIMLIS 2023)*, Presented; Best Paper Award, India, Oct. 2023.

Books and Chapters

- 1 N. Farooq, S. Bashir, A. A. Banka, A. M. Malla, H. Manzoor, and M. Farooq, "Blockchain architecture and development process," in *Fostering Machine Learning and IoT for Blockchain Technology: Smart Cities Applications, Volume 1*, Springer, 2025, pp. 115–161.
- 2 A. M. Malla and A. A. Banka, "Ai-powered revolution in infectious disease management: From early diagnostics to drug discovery," in *Artificial Intelligence in Human Health and Diseases*, Springer, 2025, pp. 221–236.
- 3 A. M. Malla and A. A. Banka, "Pharma-blocks: Blockchain-iot platform for pharmaceutical sector," in *Blockchain-based Internet of Things*, Chapman and Hall/CRC, 2024, pp. 87–108.

Courses Taught

- ▀ Taught courses at **Undergraduate, Postgraduate, and Doctoral (Pre-Ph.D.)** levels.
- ▀ C, C++,Python, Computer Fundamentals, Data Structures, Computer Vision, Neural Networks,Design & Analysis of Algorithms,Cryptography,Computer Graphics, Microprocessor,Wireless Networks,Computer Networks,FORTRAN , Internet & Web Design

Skills




- | | |
|-----------|---|
| Languages | ▀ Strong reading, writing and speaking competencies for English, Urdu,Kashmiri. |
| Coding | ▀ Basic,FORTRAN,Pascal C, C++, Python,Java, SQL , \LaTeX , ... |
| Databases | ▀ MySQL,DB2 . |
| Web Dev | ▀ HTML, CSS, JavaScript, Apache Web Server, Tomcat Web Server. |
| Misc. | ▀ Academic research, teaching, training, consultation, \LaTeX typesetting and publishing. |

Faculty Development Programs

Faculty Development Programs

- Nov 2017 ▀ Instructional Excellence in Intelligent Systems, Intel CEP, IUST Kashmir
- 2017 ▀ Bluemix Enablement Session, IBM Bluemix, IUST Kashmir





Faculty Development Programs (continued)

- Mar 2017  Big Data Analytics (10 days), NIT Srinagar (DIT, Govt. of India)
- Jan 2016  Open Source Technologies through ICT, AICTE/ACITE, NIT Srinagar
- May 2014  Open Source Technologies, AICTE/ACITE, NIT Srinagar

Workshops and Conferences





- Feb 2023  Bioinformatics in Biotechnology Studies, Webinar
- Mar 2015  SEEDs–2015, National Seminar, University of Kashmir
-  Commune–2015, International Conference, University of Kashmir
- 2015  Digital India Week, NIT Srinagar
- Sep 2012  Turning 100 International Conferences on Computing Science, LPU Punjab

Academic Service and Resource Person





- Feb 2022  Resource Person, FDP on Research Methodology and Publication Ethics, IUST Kashmir
- Mar 2017  Invited Lecture, FDP on Big Data Analytics, NIT Srinagar
- May 2022  Organizing Committee Member, Digital Marketing Workshop, IUST
- Mar 2017  Organizing Committee Member, FDP on Big Data Analytics, NIT Srinagar

Miscellaneous Experience

Awards and Achievements

- May,2024  **ACM India Anveshan Setu Fellowship 2024 (Internship)** *under the mentorship of Prof. M. Tanveer, Department of Mathematics,IIT indore from 15th May 2024 to 15th June 2024* Awarded by: IIT indore.
- Nov,2023  **Best Paper Award**, International Conference on Artificial Intelligence, Machine Learning & Intelligent Systems (ICAIMLIS 2023), IUST Awantipora,J&K.
- May,2024–2026  **Availing JKSTIC Scholarship** titled Project:Prevalence & Self-medication in Kashmir along with general modelling of Polypharmacy using AI by: *Islamic University of Science & Technology under mentorship of Dr. Ulfat Amin*
- 2020–21  **Selected as JRF in ICMR funded project** titled:"3D MRI Data processing using deep learning" by: *Thapar institute of engineering & technology, Punjab,under the mentorship of Prof. Jany, Department of Electrical and Instrumental Control*

Certification

- April,2022  **Certified Deep Learning.** Awarded by: National Programme on Technology Enhanced Learning,IIT Ropar
- May,2022  **Certified Deep Learning with Visual Computing.** Awarded by: National Programme on Technology Enhanced Learning,IIT Madras. .
- 2010  **Cisco Certified Network Associate (CCNA) Trained only(complete 4 modules).** Awarded by CISCO.
-  **Database - DB2 9.7 for Linux, Unix and Windows Trained only.** IBM.

References

Dr. Roohie Naaz Mir

HAG Professor
Department of CSE,
NIT Srinagar.

naaz310@nitsri.ac.in

Dr.Yamuna Prasad

HoD cum Assistant Professor
Department of CSE,
IIT jammu.

yamuna.prasad@iitjammu.ac.in

Dr. Shabir Ah. Sofi

Assoc. Professor
Department of IT,
NIT Srinagar.

shabir@nitsri.ac.in

Dr.Mohammad Ahsan Chishti

Assoc. Professor
Department of CSE,
NIT Srinagar.

ahsan@nitsri.ac.in