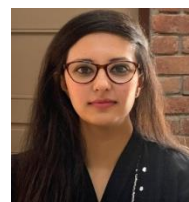# CURRICULUM VITAE

Diksha Hooda

#720/22, Jhang Colony, Rohtak, Haryana
diksha.hooda@juit.ac.in
diksha.hooda@juitsolan.in
Voice: +91-8295227690

EDUCATION

Ph.D.(Computer Science and Engineering)
Thapar Institute of Engineering and Technology, Patiala, India *(2017-2022).*
Status: ***Thesis Submitted***
Title: An Ontology-based Framework for querying Heterogeneous Sensor Data.

M.Tech. (Computer Science and Engineering)
Thapar Institute of Engineering and Technology, Patiala, India (***2015-2017***).
CGPA: *9.27*

B.Tech. (Computer Science and Engineering)
Chandigarh Engineering College, Mohali, India (***2011-2015***)
Marks: *82.7%*

12th (Non-Medical)
New Public School, Chandigarh (***2011***)
Marks: *83.6%*

10th (CBSE)
BhawanVidyalaya, Panchkula (***2009***)
Marks: *94.8%*

RESEARCH PROFILE

1. **ORCID ID**
   https://orcid.org/0000-0003-1718-673X

2. **IEEE**
   https://ieeexplore.ieee.org/author/37086302349

3. **Linkedin**
   https://in.linkedin.com/in/diksha-hooda-382155219

4. **Google Scholar**
   https://scholar.google.com/citations?user=cXFdb14AAAAJ&hl=en&oi=ao

EXPERIENCE

Period	Designation/Organization
5th Aug 2022 - Present	Assistant Professor (II), Dept. of CSE/IT, Jaypee University of Information and Technology, Solan
2nd Aug 2021 - 31 Dec 2021	Contractual Lecturer, Dept. of CSE, Thapar Institute of Engineering and Technology, Patiala

6 Jan 2018 - 31 July 2021	Teaching Associate, Dept. of CSE, Thapar Institute of Engineering and Technology, Patiala
6 June 2016 – 12 May 2017	TDP Trainee, R&D Division, STMicroelectronics, Greater Noida

RESEARCH PUBLICATIONS

SCI/SCIE Journals:

1. D. Hooda, and R. Rani, 2022. An Ontology driven model for detection and classification of cardiac arrhythmias using ECG data. Journal of Intelligent Information Systems, 58(2), pp.405-431.
   Doi: https://doi.org/10.1007/s10844-021-00685-2

2. D. Hooda, and R. Rani, 2020. Ontology driven human activity recognition in heterogeneous sensor measurements. Journal of Ambient Intelligence and Humanized Computing, 11(12), pp.5947-5960.
   Doi: https://doi.org/10.1007/s12652-020-01835-0

3. D. Hooda and R. Rani, "An interval type-2 fuzzy ontological model: Predicting water quality from sensory data", Concurrency and Computation: Practice and Experience (Minor Revision)

4. D. Hooda and R. Rani, "A Probabilistic Ontological Model for Recognition of Daily Living Activities. (Under Review)

Conference Papers:

1. D. Hooda, and R. Rani, 2020, November. Semantic Driven Healthcare Monitoring and Disease Detection Framework from Heterogeneous Sensor Data. In 2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC) (pp. 415-420). IEEE.
   Doi: 10.1109/PDGC50313.2020.9315793

2. D. Hooda, and R. Rani, 2017, September. A novel localized approach for efficient delivery of software products. In 2017 4th International Conference on Signal Processing, Computing and Control (ISPCC) (pp. 181-186). IEEE.
   Doi: 10.1109/ISPCC.2017.8269672

ACADEMIC PARTICIPATION

- Attended workshop "Designing and Modelling of IoT, AI, & ML Systems" organized by AICTE, Arm Education, STMicroelectronics with Microsoft and NIELIT Calicut in Aug 2022.
- Attended the Summer School on Social Networks held at IIT Ropar.
- Hands on experience of Linux based platform during internship at STMicroelectronics.
- Attended the Latex workshop organized at Thapar University, Patiala.
- Served as a member of the organizing committee for the cultural and techno FEST-PARIVARTN 2K12.
- Participated in the AppsFluxus-2014 National Android Apps Championship Workshop organized by Finland Labs.
- Attended training on PTC Windchill, product lifecycle management (PLM) software product that is offered by PTC.

HONORS AND AWARDS:

- Qualified GATE 2015 (96 percentile) and GATE 2016.
- Position holder in "Numerai", a global artificial intelligence tournament with a bitcoin as the prize.
- Certified and recognized by THE ORACLE CERTIFICATION PROGRAM as an Oracle Certified

Professional, Java SE Programmer. (OCJP)

TEACHING/PRACTICAL SESSIONS TAKEN

- Computer Programming(C), OOPS (C++), Data Structures, DBMS, Embedded Systems. NLP.

RESEARCHINTERESTS:

- Ontology
- Data Science
- Machine Learning
- Deep Learning
- Sensor Data Analysis
- Artificial Intelligence

Personal Details:
DOB: 21.08.1993
Marital Status: Unmarried

Permanent Address:
#720/22, Jhang colony,
Rohtak, Haryana