JIGYASHA ARORA
Chaman Vihar Phase 2,
Lane No 3 A, ITBP Road,
Dehradun, Uttarakhand, Ph No- 9760310911
E-mail- jigyashaarora@yahoo.com

Biography

I, Jigyasha Arora is currently working as an **Assistant Professor** in the **Computer Science & Engineering Department at Women's Institute of Technology Sudhowala, Dehradun, Uttarakhand- India**, I have a total of Twelve years of teaching experience in reputed Engineering Institutes.

I, have received B. Tech degree, First Division with **Honors in Computer Science and Engineering** from Uttarakhand Technical University A State Government University, Dehradun in 2011, received **M. Tech. Degree in Graph Mining, First Division with Honours in Computer Science and Engineering from Uttarakhand Technical University**- A State Government University, Dehradun in 2014, and **Pursuing Ph.D. in Computer Science and Engineering from Gurukula Kangri (Deemed to be University)P.O Gurukula Kangri,Haridwar-249404**

I have published Research papers in various International Journals and conferences and several Patents, Guided many UG & PG students for projects. Conducted successfully many Workshops, Seminars, and National Level Technical Symposiums. My areas of research include Graph Mining, Data Mining, Web Technologies, Machine Learning, and Deep Learning. She obtained professional certifications in the domains of Cyber Security, Cloud Computing, and Blockchain Technologies.

I Work for, through my exceptional knowledge and learning ability to describe myself in a nutshell, I am systematic, organized, and hardworking; ready to take up any challenge of life abreast with the latest trends, and have good communication skills. My basic objective is to hone skills for comprehensive personality development and be an epitome of trust and reliability in the corporate world. My prime goal is to understand the professional environment and capitalize on opportunities. I am confident of making a visible contribution to the growth of the organization.

Thanking you,

Sincerely

Jigyasha Arora
Assistant Professor- CSE Department
Women's Institute of Technology (WIT) Sudhowala,
Dehradun, Uttarakhand 248011
PH +91-97603-10911
Email id- jigyashaarora.cs@gmail.com

Jigyasha Arora
(PhD (Pursuing), M.Tech (CSE), B.Tech (CSE))

Self-motivated, peak-performing person. Effective problem solver who enjoys the challenge of achieving goals and accomplishing them with 10+ Yrs. experience in delivering lectures.

Books Published- 02, Patents- 02, Papers- Scopus-02,

Ph - +91-97603-10911

Email jigyashaarora.cs@gmail.com

OBJECTIVE:

Intend to build a career with a leading corporation in a hi-tech environment with committed and dedicated people, which will help me to explore myself fully and realize my potential. I would like to work as a key player in a challenging and creative environment where I can apply and share my knowledge, acquire new skills, and contribute constructively to the institutions as a confident, dedicated, and deterministic individual.

PROFESSIONAL SUMMARY:

"Assistant Professor"- Computer Science & Engineering Department. With **11+ years of** experience in teaching in self-finance institutions in teaching.

Key Skills:

My areas of research include Graph Mining, Data Mining, Web Technologies, Machine Learning, Deep Learning, Cyber Security, Cloud Computing, and Blockchain Technologies.

Career Summary

Designation - Assistant Professor

Department- Computer Science & Engineering Department,

Duration – 01/09/2023 to Present
Organization Name- Women's Institute of Technology (WIT) Sudhowala,
Dehradun, Uttarakhand 248011
City- Dehradun**, State-** Uttarakhand

Designation - Assistant Professor

Department- Computer Science & Engineering Department,

Duration – 01/09/2022 to 30/08/2023
Organization Name- Tula's Institute of Engineering & Management College, **NAAC A+**
Accredited Institute in Dehradun
City- Dehradun**, State-** Uttarakhand

Key Responsibility as Academician:

- Teach courses in Web Technologies, Machine Learning, and Deep Learning, Cyber Security, Cloud Computing and Block chain Technologies.
- **Class Mentor:- Responsibility for**

1. Academic Support:
2. Individualized Guidance:
3. Personal Development:
4. Emotional Support:
5. Conflict Resolution:
6. Career Guidance:
7. Communication with Parents/Guardians:
8. Promotion of Positive Behavior:
9. Monitoring Attendance and Participation
10. Organizing Class Activities:
11. Monitoring Progress:

- To enable the students to receive skilled education in the subject, in a positive, encouraging and effective working environment.
- Organized Seminars /Workshop/training programs/ industrial visits.
- Preparing lesson plans under the guidance of the HOD.
- Developing & updating learning modules/material for better understanding of concepts.
- Organizing and actively participating in extracurricular activities of school.
- Assistance to all departmental activities carried out during the term.
- Engaged in Supervision duties of Sports.
- Regular interaction with Behavior Counselor to be updated with student's wellbeing.
- Coordination & Support to career counseling cell.
- Accountable to all official duties assigned by authorities from time to time.
- Any other task assigned by senior authorities from time to time.

Designation- Assistant Professor

Duration- 10/02/2015 – 25/07/2018

Department- Computer Science & Engineering Department, UIT

Organization Name - Uttaranchal University Dehradun, Arcadia   Grant, Dehradun UK

City- Dehradun**, State-** Uttarakhand.

Key Responsibility as Academician:

- To enable the students to receive skilled education in the subject, in a positive, encouraging and effective working environment.
- Maintain the general discipline of the students.
- Teach courses in Web Technologies, Machine Learning, and Deep Learning, Cyber Security, Cloud Computing and Block chain Technologies
- Organized Seminars /Workshop/training programs/ industrial visits.
- Mentoring students for competitions and events.
- Preparing lesson plans under the guidance of the HOD.
- Developing & updating learning modules/material for better understanding of concepts.
- Organizing and actively participating in extracurricular activities of school.
- Any other task assigned by senior authorities from time to time.

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Designation- **Assistant Professor**

Duration- **19/07/2013 – 23/01/2017**

Department- Computer Science & Engineering Department

Organization Name - DBIT, Dehradun.

City- Dehradun**, State-** Uttarakhand
Achievement: Awarded as Best marketing strategy planner in the year 2016.

Key Responsibility as Academician:

- Worked closely with Head of Department and the other teachers to ensure all avenues of the curriculum are met and delivered lessons the students.
- Adopted distinctive teaching methodologies, documented all lessons, organized healthy group discussions, and mentored troubled students.

Designation- **Lecturer**

Duration- **13/08/2012 – 18/07/2013**

Department- Computer Science & Engineering Department

Organization Name - Shivalik College of Engineering, Dehradun.

City- Dehradun**, State-** Uttarakhand
Achievement:

Key Responsibilities and Accountability as HOD Commerce Dept.

- Organized Seminars /Workshop/training programs/ industrial visits.
- Mentoring students for competitions and events.
- Preparing lesson plans under the guidance of the HOD.
- Developing & updating learning modules/material for better understanding of concepts.
- Organizing and actively participating in extracurricular activities of school.
- Any other task assigned by senior authorities from time to time.

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Designation – Lecturer

Duration – 08/08/2011 – 12/08/2012

Department- Computer Science & Engineering Department
Organization Name- GRD Group of Institution, 210, Rajpur Road
City- Dehradun**, State-** Uttarakhand
Achievements –

Key Responsibility as Academician:

- Responsible for ensuring that all students fully comprehended the taught curriculum and provided support to students who required extra guidance.
- Worked closely with the Head of the Department and the other teachers to ensure all avenues of the curriculum were met and delivered lessons to the students.
- Adopted distinctive teaching methodologies, documented all lessons, organized healthy group discussions, and mentored troubled students.

- Provide informative presentations to students regarding different new Technology areas of study and ensure that all students fully comprehend all aspects.
- Organized Seminars /Workshops/training programs/ industrial visits.
- Mentoring students for competitions and events.
- Preparing lesson plans under the guidance of the HOD.
- Developing & updating learning modules/material for better understanding of concepts.
- Organizing and actively participating in extracurricular activities of the school.
- Assistance to all departmental activities carried out during the Deep term.
- Engaged in Supervision duties of Sports.
- Regular interaction with the Behavior Counsellor to update with student's well-being.
- Coordination and support to career counseling cell.
- Accountable to all official duties assigned by authorities from time to time.
- Any other task assigned by senior authorities from time to time.

PROFESSIONAL QUALIFICATION

Class	Year	College	University	Percentage
10th	2005	Kendriya Vidyalaya	C.B.S.E	**85.6%**
12th	2007	Kendriya Vidyalaya	C.B.S.E	**75.4%**
B.Tech (Computer Science & Engineering)	2011	Dev Bhoomi Institute of Technology (DBIT)	Uttarakhand Technical University, Dehradun	**82.0%**
M.Tech (Computer Science & Engineering)	2014	Uttarakhand Technical University, Dehradun	Uttarakhand Technical University, Dehradun	**83.6%**
PhD (Pursuing) **(Computer Science & Engineering)**	Enrolled in 2023	Gurukula Kangri (Deemed to be University)P.O Gurukula Kangri,Haridwar-249404	**Topic**- STOCK CRIME DETECTION OVER A PERIOD OF 3 DECADES USING MACHINE LEARNING.	

PUBLICATION (RESEARCH PAPERS)

1. Tittle- Revolutionizing IoT Network Security with Deep Learning-Anomaly Detection

Model(Conference Paper) 4th International Conference on Electronics and Sustainable Communication Systems, ICESC 2023; Coimbatore; India; 6 July 2023 through 8 July 2023; Category numberCFP23V66-ART; Code 191290, https://www.scopus.com/record/display.uri?eid=2-s2.0-85168309492&origin=inward&txGid=219e469702785ee6b62def90c1d77bf9 , Vyas, M. Vijayaganth, R.Chandhok, J. Srivastava, A. Arumugam, S. Tiwari, M.

2. Tittle-Integrating Computer Vision and Pattern Recognition in Fraud Detection for Financial Accounts Dr. Lalit Goyal 1 , Vasim Ahmad 2 , Jigyasha Arora **Springer** Conference proceeding Paper status Accepted

3. An Analysis and role of Artificial intelligence in the Field of Human resource management to creating enhanced Industry 4.0 for sustainable Development in Economy & its Growth Dr. Lalit Goyal 1 , Sonal Bahuguna 2 , Sonika Budakoti 3 ,

4. Vasim Ahmad 4 , Jigyasha Arora 5 , Dr. Anant Lakshendra 6 **Springer** Conference proceeding Paper status Accepted

5. Tittle Book chapter 'Green Metaverse for Greener Economies', by CRC Press (Taylor & Francis Scopus Indexed). Book Title: METAVERSE AND BUSINESSES: FUTURE **SCOPE** & CHALLENGES Status- Accepted under production

6. Paper title- **Sorting an Array with Backtrack & Comparison with Bubble Sort (Scopus)-** IEEE Third International Conference on Power, Control and Computing Technologies ICPC²T 2024 : status accepted

7. Tittle- An Efficient Algorithm for Calculating Maximum Flow in an Undirected Edge-Weighted Graph *by Ashwani Kumar1 , Jigyasha Arora2 and Nitin Arora3* Published in - International Journal of Application or Innovation in Engineering & Management (IJAIEM) Web Site: www.ijaiem.org Volume 2, Issue 6, June 2013 ISSN 2319 – 4847

8. Title- Analysis of Stock Crime using Graph *Mining by- Jigyasha Arora1 CSE Dept UTU, Dehradun, Pawan Kumar Mishra CSE Dept UTU, Dehradun,* Published in- International Journal of Computer Applications (0975 – 8887) Volume 97– No.14, July 2014, https://www.researchgate.net/publication/269669467

9. Malware Detection System using Machine Learning and Honeypot Technique *by Vibhor Harit*1 Vijay Karnatak2 Ashish Gupta3 Jigyasha Chandhok4 & Shalini Singh5,* **Published in -** Computer Integrated Manufacturing Systems**,** Vol.28 ISSN No.111006-5911 **in Scopus** Journal in 2022

10. Title- Stock Crime Detection using Graph Mining, by- Jigyasha Arora CSE Dept, UTU, Dehradun. Pawan Kumar Mishra,CSE Dept, UTU, Dehradun. Prakash Joshi CSE Dept, UTU, Dehradun. Published in- International Journal of Computer Applications (0975 – 8887) Volume 90 – No 10, March 2014 https://www.researchgate.net/publication/263031412

PUBLICATIONS (BOOKS) – 02

1. Book tittle- **Human computer interaction**
   Author's- Dev Baloni and Jigyasha Arora with ISBN:
   9789381335512 Publisher - India International Book House 2012, http://libraryopac.bits-
   Link for book - hyderabad.ac.in/cgi-bin/koha/opac
   detail.pl?biblionumber=12191&shelfbrowse_itemnumber=14668#holdings ,
   Subject(s): Human Computer Interaction

2. Book tittle- **Introduction To Internet Of Things And Its Application** ISBN:
   9788119152896 Edition: First Edition, 2023
   Author's- Dr. Ashim Bora, Mr. Rakshit Kothari, Jigyasha Chandhok, Supriya
   Pradeep Kurlekar) Publisher- AGPHBooks
   Link for book- https://www.flipkart.com/introduction-internet-things-its-
   application/p/itm938dd810a0ed1?pid=9788119152896&lid=LSTBOK978811915289
   6PZW6ZJ&marketplace=FLIPKART&cmpid=content_book_8965229628_gmc

PATENTS PUBLICATIONS – 02

1. Published patent on *SECURING FINANCIAL TRANSACTIONS IN CRYPTO CURRENCY MARKET USING BLOCKCHAIN AND INTERNET OF THINGS (IOT) with the Application number 202311050605,* Filing Date/Time 2023/07/27

12:28:33 -Indian Patent Office
View Documents- https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewDocuments
View status-
https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

2. Published Patent on Title: ***A System & Method for Secure, Long-distance Communication between WSN & IoT Devices Using Block Chain Technology, With* Application Number-202341032227,** Filing Date-06/05/2023 -Indian Patent Office
View Documents- https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewDocuments
View status- https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

WEBINAR ATTENDEE

Topic	Year	
Start-up Funding from Bootstrap to Venture Capital	31-Jul-23	International Webinar
Brand Building through Digital Marketing	31-Jul-23	International Webinar
The Dynamics of Women Empowerment in Agriculture	26-Jul-23	International Webinar

INTERNATIONAL CONFREENCES

1. Attended – "International conference on Computational intelligence and Smart communication (ICCISC-2022), participated as **Organizing Committee Member on 10-11 June- 2022 organized by** School of Computer Science & Engineering , DBIT-Dehradun.

2. Attended – "Second International conference on Advances in Electronics, Electrical and Computer Engineering ECE'13 participated **on 22-23 June- 2013 organized by** Universal Association of Computer and Electronics Engineering At **Shivalik College of Engineering Dehradun UK**

FACULTY DEVELOPMENT PROGRAM ATTENDED

1. Attended "5 Days Faculty Development Programme from 29th May, to 02 nd June 2023 on ***Creativity, Innovation & Design Thinking***- under the banner of Organised by MIT, Moradabad UP

2. Attended 7 day's e- Faculty Development Programme from 19th to 25th June, 2023. On ***navigating data analytics for research excellence***- Organised by, ***SRM institute of Technology, Kattankulother.***

3. Attended 7 days online Faculty Development Program on *" **Teaching & Research Essentials."** from 26/June/2023 to 01/July/2023. Organized by ***Chandigarh University , Punjab***

4. Attended 5 Days Faculty Development Program on ***"Innovative tools in Information Technology & Management Discipline Organised ' From –***

25th July - 31 July, 2023, organized by IIMT- College of Management & Technology.

5. Attended "5 Days Faculty Development Programme from 29th May, to 02 nd June 2023 on *Creativity, Innovation & Design Thinking*- under the banner of Organised by MIT, Moradabad UP

6. Attended 7 day's e- Faculty Development Programme from 19th to 25th June, 2023. On *navigating data analytics for research excellence*- Organised by, *SRM institute of Technology, Kattankulother.*

7. Attended 7 days online Faculty Development Program on *" Teaching & Research Essentials."* from 26/June/2023 to 01/July/2023. Organized by *Chandigarh University , Punjab*

8. Attended 5 Days Faculty Development Program on *"Innovative tools in Information Technology & Management Discipline Organised ' From –* 25th July - 31 July, 2023, organized by IIMT- College of Management & Technology.

ACADEMIC PROJECT, s UNDERTAKEN

- Online quiz simulator
- Compression and decompression.
- Stock crime detection using graph mining

ACHIEVEMENTS

- Member of Software Development cell for development of Software Project Website Development.
- Secured 88 Percentile in 7th National IT Aptitude Test.
- Secured III Rank in Science Quiz Competition held in school.
- Secured III position in University Examination.
- Secured many awards and certificates for academics in School.

CORE COMPETENCIES

- Resource Identification & its acquisition Excellent
- Communication & presentation Skills
- Interpersonal & Liaison Skills.

COMPUTER PROFICIENCY

- Basic Knowledge of Computer.
- Operating Applications: Microsoft Office (Word, Excel and PowerPoint) and Internet Applications

EXTRA-CURRICULAR ACHIEVEMENTS

- Played the role of chief prefect in school.
- Student co-coordinator of discipline committee in national level technical festival.
- Regularly participated in Athletics and Shooting Organized in school.

- Won consolation prize in the Trekking Camp held at Ranikhet to Pindari Glacier.
- Secured Ist position in inter school hockey competition.

KEY SKILLS/STRENGTHS
- Adaptability
- Hardworking
- Highly responsible

PERSONAL PROFILE

Name	:	Jigyasha Arora
Father Name	:	Sh. Surendra Kumar Arora
Mothers name	:	Smt. Kiran Arora
Date of Birth	:	06th September, 1989
Nationality	:	Indian
Gender	:	Female
Language known	:	Hindi / English
Passport Number	:	M5219810
Contact number	:	+91-9760310911
Faculty Unique Id No	:FACT0120064	
Email address	:	jigyashaarora.cs@gmail.com

REFERENCES:

1) **Prof. (Dr.) Sandeep Vijay**
   Director-
   Tula's Institute, NAAC Grade A+ Accredited Institute.
   Dhoolkot Road, Dhoolkot Dehradun, Uttarakhand 248011
   PH +91-8439823016   Email id- director@tulas.edu.in

2) **Dr. Lalit Goyal**
   Assistant Controller of Examination (ACOE)
   Tula's Institute, NAAC Grade A+ Accredited Institute.
   Dhoolkot Road, Dhoolkot Dehradun, Uttarakhand 248011
   PH +91-9756312534   Email id- lalitgoyalmbafinance@gmail.com

DECLARATION

I hereby solemnly affirm that all the above information furnished by me is true & correct to the

best of my knowledge and belief.

Date- 02/12/2023   **(Jigyasha Arora)**

Place- Dehradun