

Divyanshu Chandra

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Introduction

Dedicated and passionate academician and educator with experience in higher education and strong enthusiasm for machine learning. I am committed to fostering a dynamic and engaging learning environment. Currently, I am working as an Assistant Professor in the Department of Computer Science and Engineering at the Women Institute of Technology, Dehradun, Uttarakhand, India. Presently, I have 3 years of teaching experience in reputed Engineering Institutes namely Govind Ballabh Pant University of Agriculture and Technology and Women Institute of Technology. My field of research is Machine Learning and Deep learning specifically Time Series Analysis.

I bring a unique blend of theoretical knowledge and practical expertise. My goal is to inspire and educate the next generation of thinkers and innovators in the field of artificial intelligence and beyond.

EDUCATION

M.TECH (Information Technology)	GB PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY, PANTNAGAR, UTTRAKHAND	8.248 (GPA)	2020-2022
B.TECH (C.S.E.)	THDC Institute of Hydropower Engineering and Technology	72.3%	2016-2020
INTERMEDIATE	St. Theresa Sr. Sec. School, Kathgodam (CBSE)	70.2%	2016
HIGH SCHOOL	St. Theresa Sr. Sec. School, Kathgodam (CBSE)	9.4 (CGPA)	2014

EXPERIENCE

Work Experiences

- Worked for 1 year as a teaching personnel in the MCA department (Master of Computer Applications) at G.B. Pant University of Agriculture and Technology.
- Currently working as Assistant Professor in the Department of Computer Science and Engineering at Women Institute of Technology, Dehradun (2 years)

POSITIONS HELD AT WOMEN INSTITUTE OF TECHNOLOGY

Academic positions -

- Member of Institution Innovation council from February,2024 till present.
- Member of Entrepreneurship and Innovation cell of College from February,2024 till present.
- Faculty in charge of Website of the Institute (www.wit.ac.in)
- Faculty in charge of All Social Media handles(X, Instagram, Facebook, Youtube) of the Institute.
- Co-Principal Investigator of Laghu Shroddh Project which is a flagship Project of Hon. Governor of Uttarakhand for the upliftment and betterment of Schools of Uttarakhand.
- Member of Admission committee of the institute.
- Member of NAAC committee of the Institute.
- Member of NAAC committee of the Institute (from 17/1/2025 to)
- Member of Digital Promotion committee of the institute.
- Class Coordinator for B.Tech CSE 4th Year (1.5 years).

Administrative Positions-

- Acting Dean Academics and Research (15/06/2024 to 15/07/2024 , 30 days)
- Acting Head of Department Computer Science and Engineering (15/06/2024 to 15/07/2024 , 30 days)

B.Tech Students guided- 31

CONFERENCES ATTENDED

- Attended ‘Second International Conference on Advances in Management and Technology’ and got best paper award for the research paper titled “Application Of Fuzzy Time Series For Expenditure Of Uttarakhand”.
- Attended ‘3rd International Conference Social Science, Management and Technology in Covid Era’.
- Attended “4th CONSTA-24 Conference on Science Technology and Agriculture”.

PUBLICATIONS (NAAS RATED JOURNALS)

- “Application Of Fuzzy Time Series For Expenditure Of Uttarakhand”, online at the Mazedan Digital Library (MDL) in Vol.-3, Issue-3 of the Mazedan Computer Engineering Transactions, e-ISSN: 2583-0414.
- ‘Covid Era Perspective of Cyber Issues in India’ at International Journal of Advance and Innovative Research, Volume 9, Issue 3 (IV): July - September, 2022, Page 65-69, ISSN: 2394-7780 .
- ‘Covid era Impact on IT and Agriculture Sector in India’ at International Journal of Advance and Innovative Research, Volume 9, Issue 3 (IV): July - September, 2022, Page 60-64, ISSN:2394-7780.
- ‘Air Quality Assessment of Uttarakhand(India) using satellite data and machine learning techniques’ at Current Journal of Applied Science and Technology, Volume 41, Issue 48, Page 135-146, 2022; Article no.CJAST.95528 ISSN: 2457-1024, DOI: 10.9734/CJAST/2022/v41i484046.
- ‘Analysis and Prediction of Vegetation Dynamics of Delhi using MODIS Satellite Data’ at Indian journal of natural sciences Vol. 14/Issue77/April/2023 ISSN- 0976-0997.
- “Real-time Comparison of Performance Analysis of Various Edge Detection Techniques Based on Imagery Data” at Current Journal of Applied Science and Technology Volume 42, Issue 24, Page 22-31, 2023 ,ISSN: 2457-1024.

BOOK CHAPTERS

- “Real-Time Assessment of Edge Detection Techniques in Image Processing: A Performance Comparison” In book: Contemporary Perspective on Science, Technology and Research Vol. 8, Publisher: B P International. DOI: [10.9734/bpi/cpstr/v8/8240E](https://doi.org/10.9734/bpi/cpstr/v8/8240E) Print ISBN: 978-81-971983-4-2, eBook ISBN: 978-81-971983-0-4.
- “Assessment of Air Quality Using Satellite Data and Machine Learning Techniques in Uttarakhand, India” In book: Science and Technology- Recent Updates and Future Prospects Vol. 4 , Publisher: B P International. DOI- <https://doi.org/10.9734/bpi/strufp/v4/367>. Print ISBN- 978-81-974255-8-5, eBook ISBN: 978-81-974255-6-1.

INTELLECTUAL PROPERTY RIGHTS / RESEARCH CONTRIBUTION SECTION)

Title of Intellectual Property:

Artificial Intelligence Based Language Interpreter Earbud Case

Type of IPR:

Registered Industrial Design (International – United Kingdom)

Design Registration Number:

6474787

Status:

Registered

Application Date:

25 September 2025

Grant / Registration Date:

2 October 2025

Publication Date:

3 October 2025

Renewal Valid Upto:

25 September 2030

Issuing Authority / Country:

United Kingdom Intellectual Property Office (UKIPO), Government of the United Kingdom

Description:

The registered design relates to the *external visual design and structure* of an **Artificial Intelligence Based Language Interpreter Earbud Case**, reflecting a novel and aesthetic configuration that supports AI-based real-time language interpretation functionality.

Certificate / Proof Attached:

Copy of the *UKIPO Certificate of Registration* and design entry from the official register (<https://www.registered-design.service.gov.uk/find/6474787>).

Remarks (for evaluation purpose):

This registered design has been granted by an international IP authority (UKIPO) and qualifies as a **recognized Intellectual Property Right** under UGC/AICTE norms for academic and research contributions in the API scorecard.

EVENTS CO-ORDINATED

- Co-Coordinator for Webinar on Intellectual Property Rights organized by Women Institute of Technology, Dehradun .
- Co-ordinator in the ‘Internal Hackathon’ for “Smart India Hackathon 2023” held at Women Institute of Technology, Dehradun
- Co-ordinator for a one day workshop on Intellectual Property Rights organized by Women Institute of Technology, Dehradun and funded by UCOST.
- Coordinator for a Webinar on “How AI, RPA and IT Solutions are driving Business Growth” organized by Women Institute of Technology, Dehradun
- Coordinator for “Brain Booster” Event in Collaboration with Training Shaala and Veer Madho Singh Bhandari Uttarakhand Technical University.
- Coordinator for Internal Smart India Hackathon 2024 held at Women Institute of Technology.
- Represented Women Institute of Technology at National Level Round of Smart India Hackathon held at ISAC-ISRO, Ahmedabad, Gujarat. Our teams won 7th place at All India level for the Problem Statement “SAR Image Colourisation using Deep learning Techniques”

CONFERENCES REVIEWED

- Contributed as a Technical Committee Member and Reviewer in the ‘4th International Conference on Advancements in Smart Computing and Information Security’ Held at Rajkot, India.
- Contributed as a Technical Committee Member and Reviewer in the ‘3rd IEEE International Conference on Computer, Electronics, Electrical Engineering & their Applications’ held at Srinagar, Garhwal, India.
- Contributed as a Technical Committee Member and Reviewer in the ‘3rd International Conference on Device Intelligence, Computing and Communication Technologies’ held at Dehradun, Uttarakhand.
- Contributed as a Technical Committee Member and Reviewer in the 3rd International Conference on Advancements in Smart Computing and Information Security (ASCIS) .
- Contributed as a Technical Committee Member and Reviewer in the 2nd International Conference on ‘Advancements in Smart Computing and Information Security (ASCIS 2023)’.
- Contributed as a Technical Committee Member and Reviewer in the 1st International Conference on Smart Devices.
- Contributed as a Technical Committee Member and Reviewer in the “ 3rd International Conference on Advancements in Smart Computing and Information Security (ASCIS)” to be held at Rajkot, India organized by Marwadi University, Rajkot.
- Contributed as a Technical Committee Member and Reviewer in the “International Conference on Cognitive and Cloud Computing” held at Jaipur, India organized by the University of Engineering and Management, Jaipur.
- Contributed as a Technical Committee Member and Reviewer in the “ 2nd International Conference on Computer, Electronics, Electrical Engineering and their applications (IC2E3 2024) held at Srinagar, Uttarakhand organized by NIT, Uttarakhand.
- Contributed as a Technical Committee Member and Reviewer in the “ International Conference on Smart Devices” held at Dehradun, Uttarakhand Organised by Uttaranchal University, Dehradun.

ADDITIONAL PROJECTS WORKED ON

- Email spam detection.
- Facial data recognition.
- Application of Fuzzy time series for expenditure of Uttarakhand.

ACADEMIC PROJECT

- **Thesis** - Air quality Assessment of Uttarakhand (India) based on satellite data (In this, data was collected of Air Quality Parameters such as Nitrogen Dioxide, Sulphur Dioxide, Carbon Monoxide, Ozone , and Aerosol from satellites using Google Earth Engine, then the data was converted into time series using Google Colab. After Preprocessing, Trend analysis of data was done and also data was refined so that various machine models were applied on it such FbProphet model, Holt Winter's smoothing method. The result was compared on the basis of Error Metrics such as Mean Squared Error, Mean Absolute error, Root Mean Squared Error.
- **BTech Project**- Airplane Safety Analysis using machine learning.

LANGUAGES

- Python
- C
- C++

ACHIEVEMENTS

- GATE 2020 Qualified.
- Selected as JRF at NIT Warangal for the project "Design and development of Machine learning based security aware dynamic resource allocation for multi-tenant virtualized 5g networks" under Dr. Balaprakasa Rao Killi
- UGC-NET 2023 Qualified .
- UGC-NET 2024 both sessions Qualified both for Assistant Professor and PhD.
- Selected for PhD at JNU for the spring semester of Academic year 2024-25 at the School of Computer and System Sciences.

- Best paper award in Second International Conference on Advances in Management and Technology-.
- Mentor of team CosmoGuards who won 7th position at Smart India Hackathon 2024 Software Edition by ISRO held at Gujarat Technological University in Collaboration with ISAC, ISRO,Ahmedabad, Gujarat.

CERTIFICATE COURSES COMPLETED

- **Data Science**

Internshala (12/07/2021-10/08/2021)

Credential ID- B7618B5A-1D3B-F478-A618-FF4CB584B9FE

- **The fundamentals of Marketing**

Google (20/07/2021-25/08/2021)

Knowing the very minute basics of Marketing and Business.

Credential ID- 3N78H8WTZ