

# Arun Tripathi

## Experience

- March 2024–Till Now **Guest Faculty**, DEEN DAYAL UPADHYAYA GORAKHPUR UNIVERSITY, GKP, Information Technology Department.
- Dec 2021–Feb 2024 **Guest Faculty**, MADAN MOHAN MALAVIYA UNIVERSITY OF TECHNOLOGY, GKP, Department of Computer Science & Engineering.
- July 2020 – **Software Engineer**, RGLOBAL SERVICES.
- Nov 2021
  - Working on a backend system on Python with Django, Flask, etc.
  - Working with SQL.
- July 2017 – **Software Engineer**, RGLOBAL SERVICES.
- Jun 2018
  - Working on a backend system on Python with Django, Flask, etc.
  - Working with SQL.
- Oct 2016–Jun 2017 **Software Engineering Intern**, OPENTEXT.
- Developed Health Care software using Java.
  - Collecting the data in Databases, MySQL, Oracle, DB2, PostgreSQL and sending the data to Content Server.
  - Tasks management using Jira.

## Education

- 2018–2020 **Madan Mohan Malaviya University of Technology**,  
*Computer Science & Engineering*, Master of Technology.  
GPA – 8.55/10
- 2013–2017 **Rajiv Gandhi Proudhyogiki Vishwavidyalaya**,  
*Computer Science & Engineering*, Bachelor of Engineering.  
GPA – 8.13/10
- 2013 **CBSE**,  
*PCM*, Intermediate.  
68.8%
- 2011 **CBSE**,  
*, High School*.  
70.3%

## Projects

- Jan 2020–Jun 2020 **(Thesis) Final Score and Winner Prediction in T-20 Match**, Prof. A.K. Sharma, MMMUT.
- Implemented Machine Learning Model for predicting the winner of the match.
  - Implemented model for predicting total score of inning using neural networks.
- Aug 2019–Nov 2019 **Recommending Restaurants using Python**, Prof. A.K. Sharma, MMMUT.
- Collected various restaurant data using python scrapping.
  - Attempted various collaborative filtering models to predict the ratings between restaurants and users.
  - Implemented the k-Nearest Neighbors algorithm and the multiclass SVM classification.
  - Correlated the result of user-based and item-based collaborative filtering methods.
- Aug 2020–Oct 2020 **Plant Pathology**, Self-motivated.
- Identify the category of foliar diseases in apple trees.
  - Accurately classified a given image into different diseased category or a healthy leaf.
- Jun 2020 – Aug 2020 **Human Activity Recognition using Deep Learning**, Self-motivated.
- developed a robust CNN model and establish a baseline of performance for a classification task.

May 2018– **Diabetes Detection using Machine Learning** , *Self-motivated*.

- Aug 2018
  - o built an effective predictive model with high sensitivity and selectivity to better identify a patient at risk of having Diabetes Mellitus based on patient demographic data and the laboratory results.

## Certificates

Dec 2024 **UGC-NET JRF QUALIFIED**, *National Testing Agency (NTA)*.

- o Dec 2024 – No Expiration Date

June 2021 **UGC-NET QUALIFIED FOR ASSISTANT PROFESSOR** , *National Testing Agency (NTA)*.

- o June 2021 – No Expiration Date

Dec 2019 **UGC-NET QUALIFIED FOR ASSISTANT PROFESSOR** , *National Testing Agency (NTA)*.

- o Dec 2019 – No Expiration Date

## Achievements

June 2020 **Gold Medalist in the Dept. of CSE for the academic session 2018-2020**, *MMMUT*.

Aug 2019 **Malaviya Excellence Student Award in the Dept. of CSE for the academic session 2019 - 2020.**, *MMMUT*.

July 2017 **Branch Topper in the Deptt. of CSE for the academic session 2013 -2017..**

## Skills

Languages Python, C/C++, Java SQL

Frameworks Keras, PyTorch, Tensorflow

Libraries Numpy, Pandas, Matplotlib, Seaborn, Scikitlearn

Utilities Anaconda, Git, Sublime Text, Jupyter Notebook

Communication English(SRW), Hindi(SRW)

## Area of Interest

Machine Learning, Deep Learning, Data Structures, Algorithms, Database Systems, Big Data.

## International Conference

Tripathi. A and Sharma. A.K, "Recommending Restaurants: A Collaborative Filtering Approach," 2020 8th International Conference on Reliability, Infocom Technologies and Optimization (Trends and FutureDirections) (ICRITO), Noida, India, 2020, pp. 1165-1169, doi: 10.1109/ICRITO48877.2020.9197946.

## WORKSHOP (S)/ SEMINAR (S) / CONFERENCE (S) ATTENDED

June 2020 Two Day's Conference on "8th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO 2020) (Trends and Future Directions)" during 04-05, 2020 at Amity Univer- sity, Uttar Pradesh, India.

Sept 2019 One Week Short Term Training Program on "Data Analytics and IoT" sponsored by TEQIP-III and organized by Department of Computer Science & Engineering MMMUT, Gorakhpur from 04-08 November, 2019.

March 2019 Five Days Workshop on "LaTeX and It's Applications" sponsored by TEQIP -III and organized by Department of Computer Science & Engineering MMMUT, Gorakhpur from 11-15 March 2019.

Sept. 2018 Two Day Workshop on "Cyber Security & It's Relevance In Digital India" Conducted by TEQIP-III and Department of IT&CA on September 7-8 2018 MMMUT, Gorakhpur India.