

AKANKSHA SINGH

DOB: 13/03/1995

Address: 2/1, Vishnupuri

Nawabganj, Kanpur (U.P) ,Pincode 208002

Contact no: +91-7508859467

Email ID:akanksha23@iiserb.ac.in

Currently, I am second year Ph.D student at IISER Bhopal in the Dept. of Data Science & Engineering. In July 2023, I joined VISDOM lab under guidance of Dr.Vinod K. Kurmi. At present I am working on topics related to applications of machine unlearning in image domain.

Academic Details:

Year	Degree/Examination	Institute	%age/CGPA
2023	Ph.D	IISER BHOPAL	7.75/10 (pursuing.)
2020-22	M.Tech in statistical computing	Jawahar Lal Nehru University, New Delhi	85.60%
2013-17	B.Tech in Computer Science and Engineering	Guru Nanak Dev University Amritsar, Punjab	7.47/10
2012	Class XII CBSE-AISSCE	Kendriya vidyalaya IIT Kanpur,Uttar Pradesh	69.17%
2010	Class X CBSE-AISSE	Kendriya vidyalaya IIT Kanpur,Uttar Pradesh	9.4/10

Work Experience:

Worked in Policy Bazaar for 2 years as system engineer, 1.5 years as Technical Superior handling backend processes.

Course Projects (2023-24) :**Pixel- and Patch-wise Self-supervised Learning for Domain Adaptive Semantic Segmentation**

: To leverage intra-domain invariant knowledge model learned from source dataset to target dataset for unsupervised domain adaptation in contrast to existing methods based on inter-domain knowledge .

Exoplanet Orbital Semi-Major Axis Prediction: A Regression Approach Since the detection of the first exoplanet in 1995, the quest for habitable exoplanets has become a pinnacle of research in Astronomy. The objective of the project was to use machine learning to prepare a regression model that can predict the semi-major axis of exoplanet orbit using the data provided by the NASA Exoplanet Archive.

Major Academic Projects :

Software fault detection on the basis of various prediction approaches Prof.V.B.Singh SCSS (JNU)

M.Tech thesis and research:-It incorporates literature review done on significant research papers of over past two decades, deduced which dataset and machine learning techniques mostly frequently used in

major researches done by that time and thus used the information thus creating software fault detection model using NB classifier on CM1 dataset.

Work responsibilities:-1. Accessing publically available PROMISE repository followed by performing EDA analysis on CM1 dataset.

2.Feature extraction, creating machine learning model, applying NB classifier.

EmploX-Online Job Portal

Prof.Satinder kaur,CSE,GNDU

Internship and BTech project:- This project is a web application that uses data filled by applicant at the time of applying for particular profile job as per one's choice and matches with recruiter's requirement i.e. information entered by recruiter at the time of registering for site.On successful match, via email both applicant and recruiter are informed and further recruitment process.

Project responsibilities: (1)Designing back end database structures for the web applications

(2) Developing the web based software using computer programming languages such as C# and MSSQL.

(3) Creating the ASP.NET based web-applications as per the initial guidelines provided.

(4) Designing front end for the web applications so that to make it presentable.

Scholastic Achievements :

- Selected for scholarship for meritorious students granted by UP Government in 2008.
- Among top 500 selected participants ,in National Green Olympiad,2008.

Current Research Interest :

- Retrain-free machine unlearning in image domain.
- Data analysis & applied statistics.

Non-Technical/Personal Skills:

- Optimistic and confident.
- Task oriented and team player.
- Willingness to learn and problem-solving

Technical Skills :

Programming : C, C++, JAVA, Python, R, HTML, ASP.net, CSS, JavaScript, MySQL, Bootstrap
Languages : English (C2 Proficient), Hindi (Vernacular), Punjabi.

References :

- Dr. Vinod K. Kurmi, Assistant Professor, IISER Bhopal, 462066.
- Prof. V.B.Singh , Professor, School of Computer & Systems Sciences ,Jawaharlal Nehru University, New Delhi, 110067.