



Hanumat Lal Vishwakarma

Master of Technology
in Computer Science and Engineering
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EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year	Rank in class
Master of Technology in CSE	Indian Institute of Technology, Ropar	7.15 (Till 2nd Sem)	2021-2023	—
Bachelor of Technology in CSE	National Institute of Technology, Manipur	8.41(in scale 10)	2015-2019	3
Intermediate	UP Board	83.20%	2013	1
High School	UP Board	77.50%	2011	3

EXPERIENCE

- Teaching Assistant, IIT Ropar** 2021-Present
Punjab
 - Contributed in doubt solving ,assignment checking, grading and setting the assignments.

PROJECTS

- M.Tech Thesis Project(Graph data structure)** Ongoing.
Github: hlvcse
 - Under Guidance : Dr. Anil Shukla, Assistant Professor ,IIT Ropar
 - Skills: Graph data structure ,Binary Search Tree ,Splay Tree
 - Exploring dynamic graph.
- Exploring Issues in Set Based Partitioning from Last-level Cache (Research Project)** March - May 2022
Github: hlvcse
 - Under Guidance : Dr. Shirshendu Das , Assistant Professor ,IIT Ropar
 - Skills: Champsim Simulator(C/C++), Reading Research Papers
 - Read various research papers related to cache replacement policies and cache partitioning.
 - Implemented: static and dynamic set-based partitioning on last-level-cache memory in champsim simulator.
 - Found three limitations in set-based partitioning.
- A Human Detection System Using Machine Learning** 2018-19
Github: hlvcse
 - Under Guidance : Dr. Chingakhom Neeta Devi , Assistant Professor ,NIT Manipur
 - Skills: python ,numpy ,opencv ,basics of machine learning
 - Created a person classifier using hog feature and svm classifier. Using classifier/model created, we implemented a human detection system which is successfully able to detect person from images ,videos and also in real-time.

TECHNICAL SKILLS

- Programming Languages:** C/C++(advance), Python(Basics)
- Tools & Technologies:** Git , SQL , HTML & CSS
- Operating System:** Windows , Linux

KEY COURSES TAKEN

- CSE :** Algorithm & Data Structure , DBMS , Operating System , Memory System and Architecture , Scheduling in parallel and distributed systems
- Mathematics & Others:** Graph Theory , Linear Algebra , Probability

POSITIONS OF RESPONSIBILITY

- Teaching Assistantship,**IIT Ropar 2021-present
- Volunteer,**OUGRI, technical and cultural fest, NIT Manipur 2018-19
- Vice captain,**Intra-NIT cricket ,NIT Manipur 2018-19

MISCELLANEOUS

- Cleared Gate exam 2020,**Gate Percentile: 98.62 ,AIR 1343,
-Got offer of admission in IIT Ropar/Jodhpur/Jalakkad , IIIT Delhi/Bangalore ,Bits Pilani . 2020
- Cleared Gate exam 2019,**Gate Percentile: 92.17 ,AIR 7823 . 2019
- B.tech academic,**Rank 3 in department of CSE ,NIT Manipur 2019
- Cleared JEE-Main exam 2015,**Got offer of admission in NIT Manipur for B.tech in CSE 2015
- Class 12th academic,**Rank 1 in class 2013
- Class 10th academic,**Rank 3 in class 2011
- Cleared polytechnique entrance exam while in class 10th.,** 2011
- Intrest in...,**Yog and meditation,Cricket,Mathematics and coding problem solving,Picnic