



Hanumat Lal Vishwakarma

Master of Technology
in Computer Science and Engineering
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EDUCATION

Degree	Subjects/Branch	Institute/Board	CGPA/Percentage	Year
Master of Technology	CSE	Indian Institute of Technology, Ropar	7.15 (Till 2nd Sem)	2021-2023
Bachelor of Technology	CSE	National Institute of Technology, Manipur	8.41(in scale 10)	2015-2019
Intermediate (12th)	PCM	UP Board	83.20%	2013
High School (10th)	Mathematics/Science	UP Board	77.50%	2011

EXPERIENCE

- IIT Ropar** Year 2021- present
Teaching Assistant Rupnagar,Punjab

PROJECTS

- M.Tech Thesis Project** Year 2022-present
Under Guidance : Dr. Anil Shukla, Assistant Professor ,IIT Ropar
– Working on graph data structure.
- Research Project(Exploring Issues in Set Based Partitioning from Last-level Cache)** March 2022 - May 2022
Under Guidance : Dr. Shirshendu Das , Assistant Professor ,IIT Ropar **Github**
– Read various research papers related to cache replacement policies and cache partitioning.
– Implemented static and dynamic set-based partitioning on last-level-cache memory.
– Found three limitations in set-based partitioning.
– Simulator: Champsim (C/C++)
- A Human Detection System** Year 2018-19
Under Guidance : Dr. Chingakhom Neeta Devi , Assistant Professor ,NIT Manipur **Github**
– Learned basics of python ,python libraries (numpy ,pandas ,opencv) ,basics of machine learning
– We created a person classifier using hog feature and svm classifier. Using classifier/model created, we implemented a human detection system.

TECHNICAL SKILLS

- Programming Languages:** C/C++(advance), Python(Basics) ,Java(basics)
- Operating System:** Windows,Linux(ubuntu)
- Others:** SQL,RISC-V instruction set architecture (ISA), HTML&CSS

KEY COURSES TAKEN

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

POSITIONS OF RESPONSIBILITY

- Volunteer**,OUGRI, technical and cultural fest, NIT Manipur 4 days
- Vice captain**,Intra-NIT cricket ,NIT Manipur year 2018-19

MISCELLANEOUS

- Cleared Gate exam**, Got admission in IIT Ropar for M.tech in CSE 2020
- Cleared JEE-Main** ,Got admission in NIT Manipur for B.tech in CSE 2015
- B.tech academic**, Overall Rank 3 in academic in department of CSE ,NIT Manipur 2019
- 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