

# CHINMAY RAJPUROHIT

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## EDUCATION

<b>Indian Institute of Technology Delhi</b> Master of Technology in Computer Technology	2024 – 2026 CGPA: 7.77/10
<b>Government Engineering College, Ajmer</b> Bachelor of Technology in Computer Science and Engineering	2018 – 2022 CGPA: 7.82/10
<b>R.S.M International School, Jodhpur</b> High School (12th Standard)	2017 – 2018 Percentage: 82.4%

## TECHNICAL SKILLS

**Programming Languages:** C, C++, Python, SQL, RISC-V Assembly  
**Machine Learning:** Graph Neural Networks (GNNs), PyTorch, Deep Learning  
**Scripting:** Bash, Git, Venus RISC-V Simulator, Make, QEMU  
**Cloud & DevOps:** Microsoft Azure, Docker, Git, CI/CD Pipelines, Kubernetes  
**Developer Tools:** Git, VSCode, Linux, Jupyter Notebook

## PROFESSIONAL EXPERIENCE

<b>Frontend Developer Intern</b> – Ditansource (Remote)	Jul 2021 – Sep 2021
<ul style="list-style-type: none"><li>Designed and developed responsive homepage, product listings, and user dashboards ensuring cross-browser compatibility and mobile-first design principles</li><li>Enhanced user experience by improving navigation flow, resolving layout inconsistencies, and implementing interactive features, resulting in improved user engagement</li><li>Collaborated with design team to translate wireframes into functional web interfaces using HTML, CSS, and JavaScript</li></ul>	

## PROJECTS

<b>AxiomGNN – Robust and Fair Graph Neural Network Framework</b> <a href="#">[GitHub]</a>	Python, PyTorch
<ul style="list-style-type: none"><li>Developed unified optimization framework for adversarial robustness and fair node embeddings in self-supervised GNN learning without requiring labeled data</li><li>Derived provably convergent iterative algorithm using Block Successive Upper Bound Minimization principles</li><li>Achieved improved robustness and fairness metrics on benchmark graph datasets through novel optimization approach</li></ul>	
<b>Linux Kernel Development – System Call Monitoring Module</b> <a href="#">[GitHub]</a>	C, Linux Kernel 6.1.6
<ul style="list-style-type: none"><li>Implemented custom system calls (sys_reg, sys_fetch, sys_dereg, sys_capset, sys_capreset) to track heap memory usage and open file descriptors of user-space processes</li><li>Designed kernel module using kernel-level doubly linked lists for efficient process monitoring and real-time interaction</li></ul>	
<b>Social Media Analysis for Disaster Management Using GNNs</b> <a href="#">[GitHub]</a>	Python, NLP
<ul style="list-style-type: none"><li>Analyzed real-time social media data for disaster response using Graph Convolutional Networks (GCN) and Graph Attention Networks (GAT) for classification tasks</li><li>Performed sentiment analysis and topic modeling to extract actionable insights from disaster-related social media content</li></ul>	
<b>Matrix Inversion in RISC-V Assembly</b> <a href="#">[GitHub]</a>	RISC-V Assembly, Computer Architecture
<ul style="list-style-type: none"><li>Implemented Gaussian Elimination algorithm to compute inverse of <math>n \times n</math> matrices using RISC-V Assembly Language</li><li>Handled floating-point operations, memory access patterns, and row operations including swapping, normalization, and elimination at low level</li></ul>	

## ACHIEVEMENTS

- Achieved All India Rank 593 in GATE 2024 (CSE) with 99.52 percentile among 1.2+ lakh candidates
- Top performer in 6-week Internshala Trainings on Programming in Python, scoring 90% in final assessment
- Completed Supervised Machine Learning: Regression and Classification course by Andrew Ng (Stanford Online)