

ABDUL MUID

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EXPERIENCE

Research Paper – Computer Organization and Architecture Research title “Fair Partitioning of Read-Write Queue in NVM-LLC”	Aug 2024 – July 2025 Remote, IIT Hyderabad
<ul style="list-style-type: none">Implemented Read/Write counters per core in ChampSim to monitor fairness in NVM-based LLC.Extended design to per-epoch counters for capturing dynamic workload behavior in the simulator.Developed per-core per-epoch bypassing in C++, improving IPC from 0.44 to 0.48.Work 80% complete in simulator, results under review on larger workloads for publication.	
Computer Architecture Intern – IIT Hyderabad & IIT Madras Research Intern • Cache, NVM-LLC, ChampSim, GMMU Bypassing, MGPUSIM	May 2024 – July 2025 IIT Hyderabad & IIT Madras
<ul style="list-style-type: none">Studied cache replacement policies LRU, MRU using ChampSim.Analyzed IPC of replacement policies on different workloads.Explored MGPUSIM to study request flow from TLB → GMMU in GPU architectures.Performed memory energy optimization using CACTI.Implemented Bloom Filter from scratch, in Go language.Integrated Cuckoo Filter into MGPUSIM, bypassing GMMU walkthrough.	

PROJECTS

JobSearch Portal React.js, Node.js, Express.js, Mongo DB • Live Link	Sept 2024 – Jan 2025
<ul style="list-style-type: none">Built a full-stack Job Search Portal using React (Vite), Node.js, Express.js, and MongoDB.Implemented student and recruiter roles with login, profile, resume upload, and job application features.Enabled recruiters to create companies, post jobs, and manage applicants with search/filter options.Deployed the project on Render with scalable backend and good UI.	
TalentFlow – HR Helper in Recruitment React.js (Vite), TypeScript, Redux Toolkit, Tailwind CSS, IndexedDB, MSW • Live Link	Jan 2025 – Apr 2025
<ul style="list-style-type: none">Developed a full-fledge applicant tracking system for managing jobs, candidates, and assessments.Built drag-and-drop job pipeline and Kanban-style candidate tracking.Created a dynamic assessment builder with real-time preview and validation.Designed responsive dashboards with key hiring metrics and activity insights.Added theme customization and accessibility support for all users.	

SKILLS

C++ • Java • Python • Go • C • MongoDB • React.js • Next.js • Express.js • Node.js • MySQL • SQL Injections • Wireshark • DoS/DDoS • Card Spoofing • COA • AI/ML • DSA • OS • DBMS • CN • Computer Graphics

EDUCATION

National Institute of Technology, Mizoram B.Tech in Computer Science and Engineering - CGPA: 8.77/10	Nov 2022 – July 2026 Aizawl, Mizoram
Central Board of Secondary Education Class X - 95.6% , Class XII - 78.6%	April 2019 – May 2021 Gorakhpur, Uttar Pradesh

ACHIEVEMENTS

- SDE1** Offer letter from Wakefit
- GET** Offer letter from Larsen & Toubro (L&T).
- Research Paper on “Fair Partitioning of Read-Write Queue in NVM-LLC” improved IPC from 0.44 to 0.48.
- Solved 500+ quality DSA problems across platforms including LeetCode, HackerRank, AtCoder, and GeeksforGeeks.
- Selected for IIT Madras in Student Exchange Program.