Mohammed Akmal Ali

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Education

International Institute of Information Technology, Hyderabad   *July 2023 – June 2027*
- Bachelor of Technology in Computer Science and Engineering

Rajiv Gandhi University of Knowledge Technologies, Basar   *July 2021 – June 2023*
- Senior Secondary Education : 9.4 CGPA

Projects

Network File System (NFS) Implementation   *November 2024*
- Developed a scalable and fault-tolerant distributed file system.
- Implemented the Naming Server to manage namespaces and path resolution.
- Leveraged multithreading and concurrency techniques for optimal request handling.

Lazy Task Handler for Concurrency Simulation   *October 2024*
- Designed a system to handle concurrent file operations with priority-based request processing.
- Ensured thread safety and efficiently managed resource contention.

Tax Payer Database Implementation   *November 2024*
- Developed a database to track both assessable and non-assessable individuals' income tax data.
- Implemented the system using MySQL for data storage and Python (PyMySQL) for the command-line interface.

Lamhe (Image Storage and Video Maker)   *March 2024*
- Developed a web application to convert photos into videos with background audio.
- Stored photos in a PostgreSQL database and deployed the application on Render.

Skills

Languages: C, Python, C++, SQL, Assembly (x86)
Technologies: Git, GitHub, Render

Positions of Responsibility

Mentor   *July 2024 - Present*
Reliance Foundation
- Mentor to fellow Scholars at Reliance Foundation, providing guidance and support.
- Assisted in clearing doubts and facilitating learning.

Achievements

- Selected for the prestigious scholarship program offered by Reliance Foundation.