

Md Fraz Uddin

M.Tech, Computer Science and Engineering

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EDUCATION

- **International Institute of Information Technology, Hyderabad** Jul 2024 - Present
Master of Technology - Computer Science and Engineering
- **Heritage Institute of Technology, Kolkata** Jul 2019 - Jun 2023
Bachelor of Technology - Computer Science and Engineering GPA 8.91



SKILLS

- **Languages:** C, C++, JAVA, JavaScript, SQL, Python, Bash
- **Tools:** Git, MySQL, SQLite
- **Platforms:** Linux, Operating Systems, Windows

HONORS AND ACHIEVEMENTS

- Secured **99 %ile** in **GATE CS '24** paper out of 1.3 lakh candidates
- Secured **AIR 22** in **PGEE '24** examination conducted by IIIT, Hyderabad



PROJECTS

- **FZ_Rtracer - Realtime Ray Tracing Engine:**  Mar-May '22
 - A Realtime Ray Tracing simulator with multi-platform support.
 - Lets users create a scene with realistic lighting scenario by modelling real world light physics.
 - Includes support for sphere geometry with multiple different surface types including Lambertian, Metallic and Glass.
 - Supports multiple rendering and post processing features including Antialiasing, Gamma Correction, True Lambertian Reflections and Defocus Blur.
 - **Technologies Used:** Java, Swing, Jprofiler
- **Simplify Notes - Google Chrome Extension:** Apr-Jun '22
 - Chrome Extension designed to simplify note taking in Chrome browser.
 - Automates the process of copy-pasting words, paragraphs and images from multiple sites directly into google docs.
 - Utilises Google Docs and Google Chrome API to make note taking seamless.
 - Includes support for quick formatting copied texts and Google Drive integration.
 - **Technologies Used:** HTML, CSS, Javascript
- **FZ_Chess - GUI based Chess Game:**  Dec '21-Feb '22
 - Chess-clone written in C++ 17 with GUI designed with Simple DirectMedia Layer(SDL) and SDL.Image libraries for Windows.
 - Includes features such as Checkmate Detection, wrong turn detection and multiple Chessboard color themes.
 - **Technologies Used:** C++ 17, SDL, SDL.Image

COURSEWORK

Operating Systems, Data Structures, Analysis of Algorithms, Artificial Intelligence, Machine Learning, Computer Networks, Databases, Object Oriented Programming

CERTIFICATIONS

- Completed **6 week** training and certification course in **Programming with Python** from Internshala (Sep-Oct '22)
Certificate no 422A5488-1631-D61B-B3D9-87E4FBBF1716 
- Achieved **5 star** badge in **SQL** on Hackerrank 
- Completed **8 week** course on **Developing Soft Skills and Personality** by NPTEL with **81%** consolidated score (Aug-Oct '18)