Gyanaranjan Sendha

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# EDUCATION

LOVELY PROFESSIONAL UNIVERSITY 2020 - Present

Computer Science B.Tech Phagwara

CGPA: 7.50

# EXPERIENCE

UTRADE SOLUTIONS | Software engineer intern Mohali | July 2023 – Present

* Collabrated in Implementation of **TLS/SSL** communication and symmteric Encrytion-Decryption of Interactive messages between our system and **NSEs** gateway server using **OpenSSL** APIs.
* Leading the development of new features for the company’s HFT system, elevating its capabilities.
* Demonstrated strong problem-solving skills by **troubleshooting** and resolving technical issues, ensuring uninterrupted system functionality.
* Bugfixing of several exchanges Implementation such as **NSE** , **BSE** and **MCX** .

# SKILLS

Programming Languages C/C++, Python, SQL Libraries/Frameworks Socket Programming, Boost Axio, STL

Tools / Platforms Linux, Vim, Git, Bitbucket, Vscode, Qtcreator, CMake, tmux, JIRA Databases postgreSQL

# PROJECTS / OPEN-SOURCE

GROUP CHAT APPLICATION C++, Visual Studio, Socket

* Implemented a server application capable of handling multiple client connections concurrently.
* Utilized **multi-threading** to ensure efficient and responsive communication between the server and connected clients.
* Developed a client application enabling users to connect to the server and engage in group conversations.

THREAD SAFE QUEUE C++, Vim

* Data structure used to implement queue is linked list for optimization.
* used mutex for thread safety

WE CHAT-CHATTING APP Flutter, Firebase

* Chatting app with Google authentication features are sending messages in realtime, sending image, notification etc
* used firebase as backend

# CERTIFICATIONS

* DSA-Self Paced By GeeksforGeeks - GeeksforGeeks.