

Gyanaranjan Sendha

Software Engineer Intern
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LINKEDIN

EDUCATION

LOVELY PROFESSIONAL UNIVERSITY
COMPUTER SCIENCE B.TECH
CGPA: 7.50

2020 - Present
Phagwara

EXPERIENCE

UTRADE SOLUTIONS | SOFTWARE ENGINEER INTERN

Mohali | July 2023 – Present

- Collaborated in Implementation of **TLS/SSL** communication and symmetric Encryption-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.