

ROHIT GUPTA

Software Engineer

+91-9211686101 rohitgupta03579@gmail.com Ghaziabad

SUMMARY

Software Engineer with 1+ years of experience specializing in **C++ and Linux system development**. Proficient in STL, OOP, and multithreading, with a focus on building high-performance, low-latency applications. Proven track record in the **Automotive Infotainment and Telecom** sectors, implementing robust IPC and TCP/IP networking solutions for mission-critical systems.

EXPERIENCE

Software Engineer

Scanno System Pvt. Ltd

01/2025 Greater Noida

- Developed and maintained C++ applications on Linux using STL, multithreading, and OOP principles
- Designed and implemented IPC and TCP/IP socket-based communication for inter-module interaction
- Integrated multiple modules ensuring smooth system functionality
- Debugged and resolved issues using GDB and Valgrind, improving system stability
- Executed unit testing and system integration testing across modules
- Analyzed requirements and contributed to SRS preparation

PROJECTS

K-Connect HVAC

Automotive Infotainment project focusing on HVAC control via mobile application

- Developed HVAC feature enabling remote cabin temperature control via mobile application
- Implemented multithreading and STL-based logic for efficient performance
- Enabled communication between modules using IPC and socket programming
- Contributed to development, debugging, testing, and integration

Performance Optimization Report

Telecom project focused on network performance analysis and reporting

- Developed modules to analyze network performance metrics such as signal strength and call drop ratio
- Supported real-time data analysis and report generation
- Worked on GSM, UMTS, and LTE-based systems
- Performed debugging, testing, and integration
- POR helps identify performance trends, detect potential faults, and support proactive decision-making to improve network efficiency and service quality.

STRENGTHS

Problem Solving

Leveraged advanced **C programming** and **GDB debugging** techniques to identify and resolve complex memory leaks and segmentation faults, improving system stability by **15%**

EDUCATION

B.Tech

Babu Banarasi Das Institute Of Technology

Ghaziabad

GPA
8.0 / 10.0

Intermediate

CBSE

Ghaziabad

GPA
7.8 / 10.0

SKILLS

C/C++ Linux STL OOP

TCP Multi-threading

Data Structures Unix Shell Scripting

Socket.IO Valgrind Visual Studio

Build Tools Git SVN

ClearCase CMake Shell Scripting

Unit Testing Integration Testing

GDV GTest CMake UMTS

LTE SDLC SQL

Socket Programming Pipes

KEY ACHIEVEMENTS

Strong understanding of system-level programming and performance optimization.

Familiar with SDLC, debugging techniques, and software development practices.

Good problem-solving skills with knowledge of data structures and algorithms. Solved 700+ DSA problems

INTERESTS



Chess

Competitive chess player with a peak rating of 1900+ ELOs.

