LALIT NEGI

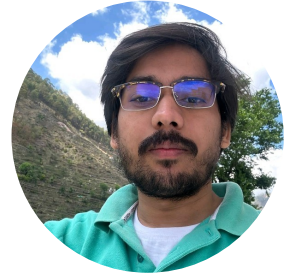## Scientist, Bharat Electronics Limited

@ lalitnegi0511@gmail.com   📞 +91 9540793938

EXPERIENCE

Central Research Laboratory, Bharat Electronics Limited
July 2022 – Present

RSDTS -Rolling Stock Driver Training Simulator
- Developing the indigenously based Rolling Stock Driver Training Simulator for DMRC.
- Developing the Signaling system, Automatic Decision System (ADS)
- Simulated the real based malfunction of the train in the system using the malfunction handler module
- Featured with the training assessment and evaluation module for examining the train operator during training
- Coordination among Sensor Integration, Display, Database development team and DMRC Project executives for design change introduction in development line as per time-plan

IACCS - Integrated Air Command and Control System Weapon Simulator
- Developed GUI based weapon simulator for Indian Air Force
- Simulated 100+ sending messages and 50+ receiving messages for each type of missile system
- Configured each missile system with the default data using easy manageable XML files
- Featured with message logger system, converting the sending data to hex and hex to decimal
- Developed the commonlibrary using the netbeans IDE
- Easily modifiable for the new missile systems

RESEARCH PUBLICATIONS

- **Lalit Negi** and Lokesh Negi, "Image Steganography Using Steg with AES and LSB," The 7th International Conference on Computing, Engineering and Design (ICCED 2021), 2021
- **Lalit Negi** and Lokesh Negi, "Hybrid approach for Data Security using Coverless Image Steganography with AES," 2021 6th International Conference on Communication and Electronics Systems (ICCES), 2021, pp. 1077-1083
- Lokesh Negi and **Lalit Negi**, "Hindi Text Encryption using Double Transposition and Elgamal," 4th International Conference on Recent Developments in Control, Automation & Power Engineering (RDCAPE-2021), 2021
- Lokesh Negi and **Lalit Negi**, "Overview of Security approaches using Metamorphic Cryptography," International Conference on Computing, Communications, and Cyber-Security (IC4S 2021), 2021

TECHNOLOGIES

C++   QT Creator   Socket Programming   Netbeans   Python   Machine Learning

RESPONSIBILITIES

Technical Program Committee - Reviewer
Springer sponsored IC4S International Conference, New Delhi, 2021–2022

University Teaching Assistant
Department of Information Technology, NSUT, Aug 2020- May 2022

Program Coordinator
AICTE ATAL Development Program, Department of Information Technology, NSUT, Oct 2021

EDUCATION

M-Tech, Information Technology, CGPA-8.1
Netaji Subhas University of Technology, Delhi, 2022

B-Tech, Computer Engineering, CGPA-7.2
Govind Ballabh Pant University of Agriculture and Technology, Uttarakhand, 2020