

# STUDENT CODE: AG123424101

Sr Engineer

## ABOUT ME

A focused professional with 12+ years of experience in Electronics Warfare System (COMMINT), RF System and Broadband Optical Fiber System, Government Project Execution and Implementation

## WORK EXPERIENCE

**Bharat Electronics Ltd, Sr. Engineer (Bathinda, Punjab)**

Aug 2016 – Present

- Leading and co-coordinating the BEL-POC team for technical and ground support for the EW System for defense users.
- It involves managing support operations, guiding the team to meet service level agreements, and collaborating with other departments and vendors to fulfill user requirement and expectation.
- Responsible for ground application, testing, and demonstration of direction finding, integration, and jamming to the user for ESM and ECM subsystems.
- To execute the testing and troubleshooting of Antenna and Communication Intelligence (COMMINT) receivers and their modules using test jigs and simulators.
- To conduct jamming trials and test and troubleshoot high-power jamming systems (VHF and UHF bands) and their sub-systems (antenna, antenna switch, PAs, exciter) using equipment like power meter, signal generator, VSWR meter, etc.
- To carry out Preventive Maintenance, Fault Diagnosis, Quality Management and Rectification on system and modules levels for EW System and its subsystem.
- Liaison between BEL and customers for services, supply of spares, and product support-related activities.

**Broadcast Engineering Consultants India Ltd, Technical Officer**

Jan 2014 – Aug 2016

- Setting up technical standard, validation of compliance statements and test reports of equipment of FM community radio station to adhere the benchmark of guidelines laid by Ministry of I&B.
- Field visit for Compliance checking and Verification of community radio station's equipment benchmark and specification.
- Technical and Financial evaluation of project under consideration at PMU-CRS min. of I&B for financial assistance of FM community radio station.

**Giant Metrewave Radio Telescope, Graduate Trainee**

May 2012 – Jan 2014

- RF system and components testing, characterization, development and installation
- RF testing of GMRT system which include Power level, SNR, Noise floor, Link budget, SFDR
- RF component like Amplifier, Directional Coupler, Power Splitter and RF attenuator testing and Characterization
- Broadband optical fiber communication system testing, characterization, development and installation
- Radio frequency interference testing, Data acquisition, Optical monitoring system, PCB Design.

## EDUCATION

<b>eMasters Degree in Communication System</b>	2023
Indian Institute of Technology (IIT), Kanpur, India	
<b>Bachelor of Engineering</b>	2007-2011
Institute of Technology, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur	
<b>Class 12</b>	2007
Sarashwati Shishu Mandir,Bilaspur	
<b>Class 10</b>	2005
Sarashwati Shishu Mandir,Bilaspur	

## TRAININGS/ PROJECTS

- A low-cost setup for isolation testing for Radio Frequency Interference (RFI) Shielded enclosure 2013
- Performance of Broadband Analog Fiber optic link for GMRT Upgrade 2012
- SNR degradation of optical fiber system with distance 2012
- Foreign Attack Alert system using microcontroller as final year engineering project. 2011

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## SKILLS

### Expertise on Instruments and software

- Network analyzer, spectrum analyzer, signal generator, optical Power meter, thermal stability chamber, OTDR, Cable antenna tester and Noise figure meter.
- Python, MATLAB, Python, HFSS, Altium, ADS, LabView, C Programming, MS-Office word, MS-excel, MS-PPT, Windows OS

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## INTEREST

- Reading Newspaper
- Cricket

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## PERSONAL PROFILE

- **AGE:** 34 yrs (as of 05<sup>th</sup> September, 2024)
- **Languages Known:** English, Hindi
- **Gender:** Male
- **Nationality:** Indian
- **Marital Status:** Married
- **Annual Current Salary Range (In Lakhs):** 15 LPA