



AAYUSHI NAINWAL

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LINKEDIN PROFILE

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CAREER OBJECTIVE

Results-oriented Electronics Engineer with over 3.8 years of experience in the Defense sector. Committed to designing, developing, and testing electronic systems to meet client requirements and industry standards. Skilled in project management, circuit design, and troubleshooting complex electronic systems. Seeking a challenging position to utilize my expertise and contribute to the development of cutting-edge electronic solutions.

SKILLS

- Strong knowledge of electronic circuit design, analysis, and testing.
- Proficient in using RF test equipment like **Network Analyzer, Spectrum analyzer, Signal generator, digital storage oscillator** etc.
- Familiarity with anechoic chamber operation and Understanding of RF fundamentals, including impedance matching, S-parameters etc.
- Proficient in CAD software for schematic design and PCB layout.
- Hands on Experience in **SAP MM and PLM module**.
- Excellent problem-solving and troubleshooting abilities.
- Strong project management and organizational skills.
- Effective verbal and written communication skills.
- Ability to work collaboratively in cross-functional teams.

EXPERIENCE

PROJECT ENGINEER, 11/2022 - Current

Bharat Electronics Limited, Kotdwar

- Designed and developed electronic systems for various applications, adhering to industry standards and client requirements. Conducted testing and troubleshooting of circuit boards and subsystems, identifying and rectifying issues.
- Involved in testing and Integration of systems involving **SoC FPGA** based hardware, aware of industrial protocol interface RS232/RS485/Ethernet/UART/I2C.
- Conducted circuit design, simulation, and optimization using tools such as Orcad.

- Experience in software such as Dock light, Wireshark, WinSCP.
- Working on Software Integration testing development for Test cases for the same.
- Collaborated with cross-functional teams, including mechanical engineers and software developers, to integrate electronic Hardware into overall system designs.
- Prepared detailed documentation, including design specifications, schematics, and test reports.
- Coordinated with suppliers and manufacturers to source components and oversee production processes.

TRAINEE ENGINEER, 11/2021 - 11/2022

Bharat Electronics Limited, Hyderabad

- Involved in Integration and testing of **Electronics Warfare Systems (ESM)**.
- Responsible for handling Customer level support, Experience in working at **Naval Dockyard** for testing and field trials (SAT, HAT) of ESM system.
- Testing and troubleshooting knowledge of Integrated Homodyne Receivers, and digital modules like Virtex FPGA based Data Processing unit (DPU) for wide band and narrow band, Digital receiver etc.
- Experience in ESS and QT testing of EW systems such as Vibration, Thermal cycling, Drip proof and driving rain test as per JSS-55555 standard.
- Hand on experience on SAP MM and PLM module.
- Experience in managing technical work, making Project Presentations and preparing technical hand books/manuals, Work planning, Test Plans.

GRADUATE APPRENTICE TRAINEE, 11/2020 - 11/2021

Bharat Electronics Limited, Ghaziabad

- Led the testing of various RF and Microwave subsystem, low power modules like Low Noise amplifiers, RF Receivers, Collection and distribution system etc.
- Performed testing of different RF cables, Isolators and Circulator.
- Utilized anechoic chambers, network analyzers, spectrum analyzers, and other RF test equipment for accurate measurement.
- Assisted in the documentation of test procedures, measurement results, and reports.

EDUCATION

BIRLA INSTITUTE OF APPLIED SCIENCES, BHIMTAL UTTARAKHAND, 08/2018

B.TECH: Electronics And Communication Engineering

77.5%

Govt. POLYTECHNIC COLLEGE, Nainital Uttarakhand, 06/2015

Diploma : Electronics Engineering

82%

LANGUAGES

Hindi, English: First Language