



NITHIN SHETTY

Signalling Verification & Validation Engineer

3 years experienced Signalling Engineer highly skilled in Application Logic testing, documentation etc. across the **complete development life cycle of a product**.

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📍 Noida, India 🌐 <https://7nithinshetty.github.io/>

PROFESSIONAL EXPERIENCE

V & V Engineer Hitachi Rail STS

Sep `18 - Present
Noida, IN

Hitachi Rail STS is an Italian transportation company owned by Hitachi with a global presence in the field of railway signaling and integrated transport systems for passenger traffic (Railway / Mass Transit) and freight operations. Hitachi Rail STS plans, designs, manufactures, installs and commissions signaling systems, components and high technologies for the management and control of newly built or upgraded railways, transit and freight lines worldwide.

Product : Microlok II

Backend: Boolean Logic

- Manual Verification of the application logic and other outputs with respect to inputs.
- Testing the Electronic Interlocking application logic as per the regional practices using both Simulator software and Microlok II hardware.
- Performing **External Factory Acceptance Test** and **Site Acceptance Test** with customers.
- Documentation of IFAT and CFAT related checklists/certificate/Data.
- Performing **Pre- Commissioning Safety Review (PCSR)** and **Failure Mode Effective Analysis (FMEA)** at site.
- Commissioning activities.

EDUCATION

B.E. Electronics & Communication Bengaluru, KA

Atria Institute of Technology, Bengaluru

- with **69.2%**

ALONG WITH V&V

- Along with testing of a station, I also trace the bug and help designers to rectify it immediately. It helps in saving the time.
- I have created several macros, which helps in automate the '**setup preparation**' for simulator testing.
Macros for '**miss section creation**' and '**miss csv file creation**' are the important two, which drastically reduce the setup preparation time **from 45 min to max 20min** (considering 2+2 configured 50 routes station).
- I have prepared the complete document for testing the station in both readable and video format. It contains 64 test cases including all possible negative test cases. This testing procedure document is very useful for both new joiners as well as senior testers.
I have also prepared the document about/working/ testing procedure for IB Signal.
- From last 1.5 year I am also been involving in Knowledge Transferring, Assisting, Training the new joiners in understanding the testing and helping the experienced in adjusting to the new culture/understanding of softwares etc.

OTHER THAN V&V

CERTIFICATIONS

- Certified **MERN Stack** developer by Cipher Schools
- Certified in **JavaScript Algorithms and Data Structures Masterclass** online course by Udemy.

TECHNICAL & OTHER SKILLS

- **Languages:** HTML, CSS, JavaScript
- Web Development
- Touch Typing

IN MY FREE TIME

- Learning cutting edge technologies, Programming languages, Ethical hacking.
- Reading books, Listening podcasts, Analyzing stock market.

LinkedIn:

<https://www.linkedin.com/in/shetty-nithin>