ROHIT PRATHYUSH KORIPALLI

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SUMMARY

NI LabVIEW and TestStand Developer with hands-on experience as an Industrial Test Development Engineer, developing automated test sequences, manufacturing execution test software and production test systems using LabVIEW and TestStand. Skilled in test bench and jig design, hardware/software integration, troubleshooting, DFM/DFT, RCA, validation, commissioning and lean manufacturing improvements. Supported by an MSc in Electronics & Computer Engineering and MIET membership, I am focused on delivering reliable engineering solutions, improving production efficiency, and continuing to grow within innovative engineering environments.

EXPERIENCE

Industrial Test Development Engineer - Alcatel Submarine Networks, London, UK *07/2024 – Present*

- Develop LabVIEW/TestStand automated test sequences for manufacturing execution.
- Design test benches, jigs, and hardware/software solutions for production testing.
- Support DFM/DFT reviews and troubleshoot manufacturing test systems.
- Analyse failures, perform RCA and implement corrective actions to improve efficiency.
- Design, Validate, commission, document and hand over Industrial Test Systems.

Software Development Engineer - Theta Technologies, Exeter, UK *01/2023 – 07/2024*

- Developed reliable, maintainable software solutions for project requirements.
- Worked with engineering teams to define requirements and solve technical issues.
- Improved performance, scalability and long-term supportability.
- Used version control, State Machine, QMH, and OOP design patterns.
- Adopted modern technologies to strengthen software development practices.

Project Lead - Aadhyaa Skills R&D, Chennai, India *06/2020 – 08/2021*

- Led R&D projects to improve students practical engineering skills.
- Managed project planning, execution and delivery against company goals.
- Mentored project teams and encouraged collaborative problem-solving.
- Delivered workshops and training sessions to build technical capability.
- Improved digital systems and online processes to enhance user experience.

Student Technical Lead - KL University, Guntur, India *07/2019 – 06/2020*

- Guided students in using NI hardware for academic and project work.
- Supported students in applying NI technologies to meet project objectives.
- Organised workshops on NI hardware, LabVIEW and related software tools.
- Worked with faculty to integrate NI Software & Hardware into hands-on practical learning.
- Led project teams and improved activities within the NI Centre of Excellence.

SKILLS

- **Test Automation & Programming:** LabVIEW, TestStand, C, C++, Python, MATLAB, State Machine, Queue Message Handler, Object Oriented Programming and version control.
- **Manufacturing Test Software:** Automated test sequences, manufacturing execution test software, production test support and test process optimisation.
- **Test Systems:** Test bench design, test jig development, hardware/software integration, system maintenance, validation, verification and commissioning.
- **Engineering Methods:** DFM, DFT, RCA, fault analysis, corrective actions, lean manufacturing improvements, poka-yoke solutions and technical documentation.
- **NI Hardware & Tools:** myRIO, cRIO, myDAQ, cDAQ, ELVIS III, USRP, NI Smart Camera, NI Vision Builder AI and MULTISIM.

EDUCATION

- ***MSc - University of Birmingham, Birmingham, UK*** *2021 - 2022*
  Master of Science in Electronics & Computer Engineering
- ***BTech - KL University, Guntur, India*** *2016 - 2020*
  Batchelor of Technology in Electronics & Communications Engineering Specialising in VLSI Design

LICENSES & CERTIFICATIONS

- *MIET - Institution of Engineering and Technology*
- *Certified TestStand Developer (CTD) - NI (National Instruments)* *2020*
- *Certified LabVIEW Developer (CLD) - NI (National Instruments)* *2019*
- *Certified LabVIEW Associate Developer (CLAD) - NI (National Instruments)* *2018*

AWARDS

- *1st Prize in MyNIthon, KL University, India*
- *2nd Prize in Telemedicon 2018 (Group Project) in association with ISRO*
- *3rd Prize in Telemedicon 2018 (Individual Project) in association with ISRO*