

ROHIT PRATHYUSH KORIPALLI

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Objective

An engineering graduate and NI Certified LabVIEW & TestStand Developer seeking to join an organization which provides ample scope to utilize my skills and abilities in Engineering that offers professional growth while being resourceful, innovative, and flexible.

Education

- **MSc Electronic & Computer Engineering (2021-2022)**
University of Birmingham, West Midlands, UK.
- **BTech Electronics & Communication Engineering (2016-2020)**
K L University, Guntur, Andhra Pradesh, India.

Experience

- **Project Lead at Aadhyaa Skills R&D, Chennai, India (2020-2021)**
Aadhyaa Skills R&D is a Start-up company that focuses on developing the real-world Engineering Skills of students in doing R&D Projects. As a project Lead at Aadhyaa Skills R&D, I lead various projects within the Company.
- **Student Technical Lead at NI COE, KL University, India (2019-2020)**
During the final Year of my Graduation, I worked as Student Technical Lead at NI Centre of Excellence where I got the opportunity to explore various NI Hardware and support the students in completing projects.

Skills

- LabVIEW, LabVIEW NXG, NI Vision Builder AI, TestStand, MULTISIM, MATLAB, C, C++, Python
- Proficiency in NI real-time hardware (myRIO, cRIO, myDAQ, cDAQ, WSN, ELVIS III, USRP, NI Smart Camera)

Certifications

- NI Certified TestStand Developer (CTD) (Serial Number: 200-920-10484)
- NI Certified LabVIEW Developer (CLD) (Serial Number: 100-919-11331)
- NI Certified LabVIEW Associate Developer (CLAD) (Serial Number: 100-318-14041)

Hardware Projects

- **Roller Bearing Fault detection in Railways through audio signals using LabVIEW & NI myRIO**
Data acquisition, Signal Processing, and detection of faults in a Railway wheelset Roller Bearings.
- **Circuit validation using LabVIEW & TestStand**
Verifying the functionality of circuit using LabVIEW and TestStand.
- **Smart product inspection for quality checking using NI vision builder AI, cRIO & NI Smart Camera**
Identifying the defective products and removing them from production line.
- **NI USRP FM station**
A fully working FM transmitting and receiving station using NI USRP and LabVIEW NXG.

Software Projects

- **Smart Pollution Monitoring & Control using Arduino**
Monitoring of pollutants released by industries and warning them if it crosses set limits.
- **Hospital Management System using NI LabVIEW with MySQL**
Centralized server to store all the data, which can be accessed from any location, helps very much in case of emergencies.
- **Solar power management system using NI LabVIEW**
Effective utilization of solar power by balancing the load on solar and grid based on charge in battery.
- **Learning Management System for Aadhyaa Skills R&D**
An easy-to-use Learning Management System for delivering courses through online mode.

Achievements

- 1st prize in project expo in MYNITHON organised by National Instruments
- 2nd prize as a team & 3rd prize as Individual project in Telemedicon 2018 Student Competition organised by Telemedicine society of India (TSI), sponsored by Indian Space Research Organization (ISRO)
- Selected in top 100 teams for EngiNX 2018 competition, conducted by Tata consultancy services (TCS)
- Qualified in IICDC Competition conducted by Government of India in association with Texas Instruments