




# VISHNURATHAN C S

AEROSPACE AND DEFENCE- ELECTRONICS TEST ENGINEER

 <https://vishnurathancs.github.io>

## ABOUT ME

Senior Engineer with over five years of experience in Aerospace and Defence. I specialize in FCT manual and automated development, as well as environmental tests like thermal cycling and vibration. Expert in Hi-pot, IR, and automated continuity and isolation testing to ensure mission-critical performance.

## PROFESSIONAL AND TECHNICAL SKILLS

FCT Development	<div><div></div></div>
Thermal Cycling	<div><div></div></div>
Thermal Shock	<div><div></div></div>
Vibration	<div><div></div></div>
BST	<div><div></div></div>
Automated Continuity and Isolation	<div><div></div></div>
Air Leak Tests	<div><div></div></div>
Helium Leak Tests	<div><div></div></div>
Nitrogen Leak Tests	<div><div></div></div>
RF Tests	<div><div></div></div>
Hi-Pot Tests	<div><div></div></div>
IR Tests	<div><div></div></div>
PCBA Debugging	<div><div></div></div>

## PERSONAL DETAILS

Age: 30 Gender : Male Marital Status: Married

Passport No: R5237445 Passport Date of Expiry: 25-10-2027

Date Of Birth: 03-06-1995 Nationality : Indian State: Kerala

Languages known: English, Malayalam(Regional)

## CONTACT

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## PROJECTS AND CERTIFICATIONS

- PROFESSIONAL DIPLOMA CERTIFICATION** Professional diploma course in "Electrical System Design & Drafting" conducted by Tritech Design Academy
- ISO 14001:2015 INTERNAL AUDITOR** Certified internal auditor for ISO 14001:2015 Environmental Management Systems , Certified from Kerala State Productivity Council (KSPC)
- LABVIEW CORE 1 & CORE 2 CERTIFICATION** Certified by National Instruments on LABVIEW CORE 1 & CORE 2

## EXPERIENCES

- DURATION:** FEB 2021- PRESENT(5 Years)  
**ORGANISATION:** SFO TECHNOLOGIES KAKKAND (Nest Group Company PVT LTD)  
**POSITION:** SENIOR ENGINEER (Test Engineering)  
**DUTIES HELD:**
  - Currently leading Senior Engineer (Test Engineering) of Aerospace and Defence business unit.
  - Experience in Aerospace and Defence Projects, Healthcare, Industrial Projects.
  - Expert in the development and maintenance of manually operated / automated test stations.
  - Expert in developing test systems from the base line requirement provided by customer.
  - Expertise in identifying unfamiliar equipment/machine based on specific customer requirements, getting quote from supplier, implementing the same in production line and provide training.
  - Expert in the NRE quote preparation/ test time calculation.
  - Excellent in project management which include: analysing customer requirement, procuring quotes, identifying activities, lead time study, submitting NRE+ test time, preparing schedules, coordinating team to complete the project within the timeline, product qualification and transfer ,providing maintenance support etc.
  - Knowledge in Online/ Offline programming methods and test methods like ICT, FPT, BST, specialized in FCT/ESS(Thermal cycling, Thermal Shock, Vibration), Leak Tests using Air/Helium/Nitrogen,
  - Expert in programming for automated continuity and isolation tests of cables and PCBA's
  - Expert in handling wide range of measurement & automation equipment like Power supplies, Oscilloscopes, Digital Multi-meters, VNAs, Hi-Pot testers of various make and models and machines like Climatic chamber, Vibration tester, ICT machines.
  - Expert in maintaining customer, supplier, stakeholder relationship.
  - Part of CFT for analysis on customer complaints, quality concerns, yield issues, failures.
  - In charge of downtime management, preventive maintenance.
  - Expert in attending customer audits, auditing suppliers, providing induction training for new comers.
  - Ability to provide solutions for computer hardware and software problems.

- DURATION:** FEB 2020- JUL 2020 (5 Months)  
**ORGANISATION:** SATCO AUTO SPARE TRADING, DUBAI  
**POSITION:** DIGITAL MARKETER, WEB DESIGNER  
**DUTIES HELD:**
  - Development of E-Commerce Website
  - Product Quoting, Accounts, VAT Submission

- DURATION:** NOV 2017- NOV 2018 (1 Year)  
**ORGANISATION:** TRACO CABLE COMPANY LIMITED (A Kerala Government Company)  
**POSITION:** Graduate Apprentice Trainee.  
**DUTIES HELD:**
  - The installation work of 11KV VCB panel, outdoor TOD Meter / CT PT Unit installation in substation
  - Supervising breakdown and preventive maintenance of machines
  - production planning scheduling and keeping records
  - Testing of raw materials, ACSR conductors, Weather proof cables, control cables as per IS specifications.

## EDUCATION

- DEGREE** B.TECH in Electrical And Electronics.  
**INSTITUTION:** Muthoot Institute of Technology and Science.  
**UNIVERSITY:** Mahatma Gandhi University Kerala  
**YEAR OF PASSING:** 2017  
**Percentage:**68% **CGPA:** 7.19
- HIGHER SECONDARY** PLUS TWO  
**UNIVERSITY:** Kerala State Higher Secondary.  
**YEAR OF PASSING:** 2013  
**PERCENTAGE:** 86%