

Arjun S

Project Assistant at CSIR-NAL

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9035588951

Bengaluru, India

Python developer with three years of experience in Research and Development environment in Instrumentation, Data acquisition, Fiber optic sensors, and data acquisition systems, image processing, algorithm development and implementation in LabVIEW.

WORK EXPERIENCE

Project Assistant

National Aerospace Laboratories (CSIR-NAL)

06/2020 - Present

Bengaluru

Achievements/Tasks

- Development and implementation of data acquisition and data analysis methods for various sensor data from different data acquisition systems like Fiber Optic, Resistance strain Gauges, etc. during structural testing and related data processing in LabVIEW.

Consultant (Technology & Innovation)

Learning Links Foundation

01/2020 - 05/2020

Computer Tech. Trainee

Visvesvaraya Industrial Technological Museum

10/2017 - 01/2020

Bengaluru

Achievements/Tasks

- Developing in-house applications for Visvesvaraya museum and its satellite units.
- Development of websites for organizing events with registration page and allotment of tokens for individuals and groups.
- Maintaining the record of the participants and generate report.

PROJECTS

Development of Fiber Optic Sensor Based Methodology For Structural Health Monitoring Of Composite Aircraft Structures

- Fiber optics sensor integration with composite aircraft structures and instrumentation setup of fiber optic sensors for data acquisition. Development of post-processing software using python for acquired data from different instruments

Data Acquisition for Structural Test Using PXIe in LabVIEW

- Part of developing data acquisition software for the structural test using NI PXIe for strain and voltage acquisition in LabVIEW

Inclusion Detection in Composite Manufacturing Using Image Processing

- Image acquisition using NI PXIe and Basler camera using Python
- Implementation of YOLO_V2 Pre-trained Network Model
- Calling the trained model in Python for real-time implementation

SKILLS

Python

NI-LabView

C#

Java

Javascript

HTML

CSS

PHP

MySQL

REFERENES

Augustin M J, "Senior Scientist in CSIR-NAL"

Contact: mjaugustin@nal.res.in

Thara M B, "Technical Officer in VITM"

Contact: thara.mb@gmail.com

EDUCATION

Bachelor of Computer Applications
(06/2014 - 06/2017)

Surana College

Master of Science Computer Science and Applications (06/2020 - 06/2022)

Christ University

LANGUAGES

English

Full Professional Proficiency

Kannada

Full Professional Proficiency

Tamil

Full Professional Proficiency

Hindi

Limited Working Proficiency

Telugu

Limited Working Proficiency

SOFTWARES

LabView

Visual Studio

Visual code

Qt Creator

Eclipse

MS Office

Photoshop

Adobe Animate