

PRAVEEN KUMAR NAGARAJAN



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PROFILE SUMMARY

To seek a dynamic and challenging career where I can utilize my skills and knowledge which will benefit the industry and growth in my career.

PROFESSIONAL WORK EXPERIENCE

Project Engineer at RoviSys Asia Company Pte Ltd (from Oct 2018)

Senior Engineer at Captronic systems Pvt Ltd Bangalore (from Jan 2015 -Oct 2018)

Project Trainee at National Aerospace Laboratory Bangalore (Jan 2014 – Jan 2015)

SKILL SET

- Total Experience of approx. 6 years in development of Test Systems in Oil and Gas, Aerospace and Defense domain.
- Having good knowledge on System Configuration, design and development of ATE.
- Having knowledge on complete project life cycle execution and Project management.
- Skilled with LabVIEW, LabVIEW OOPS, Real-Time, FPGA, NI-Veristand and NI DAQ.
- Experience with NI hardware such as PXI, SCXI, cRIO and DAQ.
- Having Knowledge on NI TestStand, ARINC 429, MIL 1553, Profibus, CAN, Sync and Async serial communication and UDP/ TCP.
- Having Knowledge on Python.
- Having Knowledge on Signals Analysis.

ACHIEVEMENTS:

- Winners of NI Graphical System Design Engineering Impact awards and Achievement award of the year 2016 and got nominated to visit NI week 2017 at Austin Texas USA.
- Runners of NI Graphical System Design Engineering Impact Award (2014).
- NI Graphical system Design Popular vote award winner (2013).

EDUCATION DETAILS:

- Masters in Embedded System from BITS Pilani; Work Integrated Program (2017-2018)
- BE ECE at Dr. NGP Institute of Technology Coimbatore (2009-2013).
- Higher Secondary at St. Michaels Higher Secondary School Coimbatore (2009).
- Secondary School at St Michaels Higher Secondary School Coimbatore (2007).

TRAINING AND CERTIFICATIONS:

- Work shop on Technology Road Mapping for Future Aircraft at NAL from Boeing USA.
- Core 1 and 2 Training at NI India.
- Certified LabVIEW Architect (100-519-10381).

PROJECTS:

- **Impact-VIEW: 2014**
Role: Development of Interactive software, Integration of algorithm for the online analysis.
Achievement: Runners of NI-India Graphical System Design Award 2014.
- **Wind tunnel automation and control for Micro air vehicle (MAV) 2015**
Role: Software development, Integration and testing.
- **Location of Bullet on a Target System (LOBOTS) using Acoustic N wave: (2015-2016)**
Achievement:
 1. The 12 units of system is successfully installed in multiple IAF Southern Air command stations and
 2. Received winners of NI-Engineering impact award and Application of the year award 2016.
- **Real Time Flight Dynamic Simulator (FDS): (2016-2017)**
Role: Software Development, Testing and commissioning.
Achievement: Three Units of system installed at Aeronautical Development Agency Bangalore.
- **IIT-Madras: Drop Tower Test: 2017**
Role: Software Development and Testing.
- **PISTON ENGINE Test System: 2018**
Role: Hardware configuration, Software design and development of module.
- **Pump Test System: 2019**
Role: Project manager, Involved in Project development, testing and ISO audit.
- **Green mark Data Acquisition System: 2019**
Role: Software development, Testing and Integration.
- **Vibration Analysis for Pump: 2019**
Role: Project Manager, Involved in Project development and implementation.

MODULE DEVELOPMENT & DEMONSTRATION:

- Strain Measurement and Fatigue Test: 2014
- Flight Dynamic Data Acquisition System: 2016
- AL-31 Aero Engine Test Bed for Sukoi: 2016
- GTRE-Combustion Test Rig: 2016
- Break management System (HILS): 2017
- 1-foot Wind Tunnel: 2017
- BOSCH- DNOx Endurance Test Bed: 2017
- MIL Controls- Solenoid and Isolator Calibrator: 2017
- Starter Engine Control Unit (SECU): HILS 2016
- GTRE- Frequency analyzer: 2016
- ISAC- Vibration analysis of Aerospace components during transportation: 2017

M.TECH DISSERTATION:

- **Performance evaluation of flight control computer using PXI based ground test system: 2018**
The system uses to test the different functionalities of a standard flight Line Replacement Unit (LRU).

PERSONAL DETAILS:

- **DOB:** 30-11-1991; **Marital Status:** Unmarried; **Nationality:** Indian
- **Address for Communication:** #12-06, 43 Jurong East Ave 1, Singapore-609778

I hereby declare that the above-mentioned particulars are correct to the best of my knowledge.