

YUVARAJ N

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CAREER OBJECTIVE

Self-driven Aero engineer with admirable technical knowledge, looking for a position at a progressive organization, where I can apply my design experience and research skills to support the growth and success of the organization.

SKILLS

- AUTO CAD
- UG NX
- CATIA
- PDM
- TEAM CENTER
- MICROSOFT OFFICE

EXPERIENCE

INSTRUMENTATION DESIGN ENGINEER – (JUN-2022 to Till Date)

ALTEN- INDIA, BANGALORE.

- Working on Instrumentation Design team to provide end to end Instrо-design solutions for RR gas turbine engines like Ultrafan, Trent-XWB, Pearl etc.
- Creating 2D Scheme drawings, DDR (Design Definition Report), SIR (Solution Information Report).
- Good exposure to RR Engineering standards like RRDS, RRES etc.
- Creating DAP (Design of assembly parts) using Teamcenter-NX tool
- Good exposure on Teamcenter file creation & modification.
- Good working knowledge on PDM tool for PSI Creation & Part list extraction.

DESIGN ENGINEER – (FEB-2021 to JUN-2022)

DRDO - Gas Turbine Research Establishment (GTRE), BANGALORE.

- Worked on part design, assemblies & modification of Gas Turbine Engine-Fuel Control System components like pumps, pressure valves, actuators etc.
- Creating 2D drafting for manufacturability using DFM and assembly drawings using DFA techniques.
- Creating & maintaining Bill of Materials (BoM), managing Master Part List (MPL).
- Creating fuel pipeline flow path routing based on feasibility and accessibility during engine assembly.
- Good working knowledge on fluid static and dynamic application seals like piston seals, spigot seals, axial seals etc.
- Good knowledge on pipeline end fitting standards, thread standards like BSP threads, Metric threads etc.
- Basic understanding and working knowledge on PLM.
- Assisting in system RIG testing like calibration tests, Pressure tests, QTP tests etc.
- Good knowledge on GD&T-ASME-Y-14.5.

APPRENTICE TRAINEE – (OCT-2019 to JAN-2021)

DRDO - Gas Turbine Research Establishment (GTRE), BANGALORE.

- Worked for the design & modification of Indigenous Gas Turbine Engine Fuel Control System parts and assemblies using UG NX Software.
- Creating 2D part and assembly drawings for producibility and manufacturability.
- Good understanding and working knowledge on GD&T, Machine drawings etc.
- Gained adequate practical knowledge in the field of modern gas turbine engines.
- Carry short and long-term custom strategies to reach organization goals.

EDUCATION

BACHELOR OF TECHNOLOGY IN AERONAUTICAL ENGINEERING

JUNE 2019

Hindustan Institute of Technology and Science, Chennai.

89.17%

PROJECTS

COMBUSTION SHOCK TUBE USING ALUMINIUM DIAPHRAGM

The objective of the project is to analyze and study higher Mach waves. Shock tube is used to study shock wave characteristics.

CERTIFICATIONS

- Certificate of Paper Presentation - “combustion shock tube using aluminum diaphragm” in NCETMEA conference held in SRM UNIVERSITY.
- Certificate of Completion – “Radio Controlled Pilot training” conducted by IAAA.

ACHIVEMENTS

- Won gold medal in long jump and silver medal in 100m and 200m race in district level athletic meet hosted by sports development authority of tamilnadu.
- Runner-Up in district level interschool football championship hosted by sports development authority of tamilnadu.

PERSONAL DETAILS

D.O.B : 01-12-1997

LANGUAGES : TAMIL, ENGLISH

MARITAL STATUS : UNMARRIED

FATHER'S NAME : NIRMALAVANNAN P

DECLARATION

I hereby declare that all the information furnished above is true to the best of my knowledge and belief.

(YUVARAJ N)