

# SAJO GEORGE

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## PROFILE

A talented engineer who is specialized in mechanical and aircraft component designing and systems troubleshooting and technical repairs; has developed various aerospace engineering skills brought about by knowledge in materials and its characterization methods, practical and hands-on exposure to parts, systems and hands-on work, as well as extensive theoretical trainings; has the ability to handle groups of technicians under supervision; has mentored junior engineers to be proactive, skilled and developed them to have quick problem-solving skills even under pressure; reliable and meets deadlines; excellent motivational and leadership techniques.

## KEY SKILLS AND COMPETENCIES

- Experienced in material characterization methods like X-ray powder diffraction(XRD), X-ray fluorescence(XRF), Raman spectroscopy, hardness testing and SEM (Scanning Electron Microscope)
- Theoretical knowledge of metals, alloys, super alloys and high entropy alloys
- Ability to work to tight deadlines and under pressure as part of a team
- Understanding of fatigue and crack growth analysis of metallic structures
- A good aptitude in understanding complex mechanical and aircraft components
- Some Aero Engine assembly and dis-assembly experience
- Excellent communication and presentation skills
- Actively supporting and promoting continuous improvement
- An ability to manage multiple tasks
- Possessing the drive to follow tasks through to a successful outcome
- Able to work to an agreed time scale
- Continuously developing engineering expertise and experience whilst working on projects

## WORK EXPERIENCE

- Internship - Bangalore Aircraft Industries (Pvt) Ltd. May 2017 –Jun 2017
- Exposed to CAD modelling, Stress Analysis, fabrication and material testing during the intern program
  - Worked for different designing projects as a team under the guidance of retired scientist from NAL (NationalAeronautical Limited)

## TRAINING AND WORKSHOPS

- International Conference on Recent Advances in Aerospace Engineering (ICRAAE) Mar 2017
- Mindkraft (National level techno-management fest) Feb 2015, Mar 2016, Mar 2017
- Unmanned Aerial Systems – Recent trends and Prospects Oct2015
- Composite materials in Aerospace applications Feb 2016

## PROJECTS

- Aircraft Design project
- Semester Project - "Numerical Investigation of Effect of Nano-Aluminium Addition on CO Pollutants Emissionin Liquid Fuels Combustion
- Study of High entropy alloy

## TECHNICAL SKILLS

- ANSYS WB and ANSYS CFX - Technology Training & Research Centre Sept 2015 – Feb 2016
- CATIA (Modelling Assembling Surfacing) CAD SOLUTIONS Sept 2016 – Nov 2016
- Drafting: This course certificate was issued by CAD SOLUTIONS training services, Coimbatore, India.
- Experience in cutting, Mounting, Grinding and Polishing Machining tools like Automet, secotom,simpliment mounting, Isomet blue etc.

## EDUCATION

- MSc Aerospace Materials, University of Sheffield Sept 2017 – Sept 2018
- Bachelor's in AEROSPACE ENGINEERING - Karunya University, India Jul 2013 – Jul2017

## REFERENCES

Available on request.