

Jangid Suresh

Passionate Student, Aerospace Engineer

Bengaluru, KA
+91 9265453587
jangidsuresh3210@gmail.com

PROFILE

Resourceful and dedicated undergraduate student, and an engineer with excellent analytical skills and a demonstrated commitment to providing great service. Strong organizational abilities with proven success managing multiple academic projects and volunteering events. Well rounded and professional team player dedicated to continuing academic pursuits at a collegiate level. Bilingual, hardworking and ready to join my next team. Committed to utilizing my skills to help others, while working towards a company.

EXPERIENCE

CSIR - National Aerospace Laboratories, Bangalore — *Project Associate*

Aug 2023 - Oct 2023

To develop a new methodology using g - Exceedance curves and Rain-flow Counting method to estimate the fatigue life of different parts of aircraft under the guidance of Senior Principal Scientist of Structural Technology Division (STTD) CSIR - NAL.

Hindustan Aeronautics Ltd, Bangalore — *Graduate Apprentice*

July 2023 - Aug 2023

Worked under Methods Engineering Department of Aerospace Division - HAL Bangalore Complex.

EDUCATION

M S Ramaiah University of Applied Sciences, Bengaluru — *B.tech Aerospace Engineering*

Aug 2019 - May 2023

Scored : 8.2 CGPA

Board of Secondary Education, Rajasthan — *Senior Secondary Education*

April - 2018

Scored : 82.60 %

Gujarat Secondary and Higher Secondary Education, Gandhinagar — *Secondary Education*

April - 2016

Scored : 95.3 Percentile (77.33 %)

SOFT SKILLS

Adaptability
Complex Problem solving
Time Management
Attention to Details
Team Work

LANGUAGES

English (Professional)

Hindi (Native)

Gujarati (Professional)

HOBBIES

Reading Books

[Life's Amazing Secrets, The Power of Your Subconscious Mind, The Perfect Questions and Perfect Answers etc.]

Listening Music

[Indian 90's Songs, Lo-fi and Instrumental songs, etc.]

Sports

[Kabaddi(Raider), Cricket (Right Arm Spinner)]

Gardening

Musical Instrument

[Kartal]

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ACHIEVEMENTS

Conference Paper [ISME Bengaluru] 12-15 July 2023
Author and presentation of a conference paper named “ *Effects of cutout on the buckling characteristics of ring-stiffened cylindrical shells* ” at 21st conference of Indian Society of Mechanical Engineers (ISME-IITD) [Jointly organized by PES University, Bengaluru and IITM, Chennai].

Other Achievements

- Secured JEE Mains AIR 70711 (OBC Rank 17419) and 110 marks in JEE Advanced Year 2019
- Secured COMED-K rank 7389 Year-2019
- Participated in *Smart India Hackathon (SIH) 2022* (To make a Basic Accident Treatment drone).
- Participated in a two-day Symposium on “ *Hypersonic Technologies* ” organized by MSRUAS, ISRO, DRDO, and Metacomp Technologies.

PROJECTS & SEMINARS

Buckling Analysis of Cylindrical Shell Jan 2023 – May 2023

Non-linear, post-buckling analysis of isotropic Al 7075 T6 alloy ring stiffened cylindrical shell with cutout subjected to different loading conditions.

Linear Buckling Analysis of Cylindrical Shell Sept 2022 - Dec 2022

Linear buckling analysis of perfect isotropic cylindrical shell, mass extraction, and addition as cutout and stiffeners respectively is subjected to axial compression, bending, and external pressure with different boundary conditions.

Seminar – Anti-Satellite Missiles Dec 2022

Fundamentals of ASAT missiles and its working process are presented using vast details of specific missiles used and stage separations and target hitting during flight. Reference – DRDO ASAT (Mission SHAKTI).

Seminar – Unmanned Aerial Vehicles (UAVs) Nov 2022

Details of design, stability of vehicle, structural and aerodynamic analysis of flapping wing micro aerial vehicle micro aerial vehicle (MAV) Reference – Delfy II MAV.

Memberships & Social Contribution

National Service Scheme (NSS) Volunteer
MSRUAS NSS, Bengaluru

Voluntary association of young people that aims to develop college, university level students' personalities through community services.

Friends of Lord Krishna (FOLK)

International Society of Krishna Consciousness (ISKCON), Bengaluru

Youth empowerment club aimed at crystallizing the formative Phase of the younger generation with key values that guides throughout the life. Some of the most vital practical knowledge has been inherited from time-tested Vedic wisdom and woven into methodic workshops. Which also contributes to India's biggest social contribution like;

The Akshaya Patra Foundation :

Aims at countering malnutrition and supporting the right to education of socio-economically disadvantaged children.

AIKYA - United to Serve :

Committed to tackling some of today's greatest social challenges and will deliver sustainable social impact.

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SOFTWARE SKILLS

Technical Skills

