**Raghava K, 29**

MBA, PGP-TBM | Ex-Scientist, ISRO | Aerospace Engineer, IIST - Kerala

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**PROFILE SUMMARY**

* ~8+ years of experience in Aerospace industry with roles of Projects & Cross-functional team management for **~50% of ISROs rocket launches**
* Led teams in special projects of ISROs- **Human Space Program & Advanced experimental missions, capacity expansion**
* Led teams for Space Awareness Programs, Yuvika Program
* Technical expertise on MATLAB, Solidworks, ANSYS, Scilab, MS Office, Power BI, C Programming, Equities & Derivatives Market, Technical analysis of Stock Markets

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**PROFESSIONAL EXPERIENCE**

**INDIAN SPACE RESEARCH ORGANISATION (ISRO) | Sep’14 - July’22 Sriharikota**

**2014-2018 : Scientist - SC & 2018-2022 : Scientist -SD**

* Demand based Planning, execution of operations for Solid motors & liquid stages for PSLV, GSLV Mk II & GSLV Mk III rocket launches. Feasibility studies on futuristic projects of Semi-cryo technologies & experimental missions
* Technical Team allocation (20+ members), also includes Design & Prototyping, Procurement, Vendor Management.

**Advanced Missions & Recovery Experiments (ADMIRE Projects):**

1. Team Member and Team lead for sub-committees of ADMIRE missions for detailed study of testing for Human Space program & Landing experiments of ISRO.
2. Special projects of Reusable Launch Vehicle Technology, Pad Abort tests for Human Space Program and Recovery missions

**Capacity Expansion Projects:**

1. Man-power & Facility occupancy estimation for liquid & solid stages activities for ISRO’s Privatisation plan.
2. Led a team for Integrated Seamless Stage Preparation Facilities (ISSF) project to meet the ISRO’s envisaged plan of 40 launches by 2030. Project Conceptualization, design, budget estimation ~2700 cr), Modular realisation plan
3. Team Lead for Project Study, concept building, budget estimation (~60 cr) for PS2 & GS2 stages facility at SDSC SHAR

**Space Awareness Programs**

1. Program management & Team member of World Space Week (~2cr budget) every year since 2018 & Vikram Sarabhai Centenary Program (~4.5 cr budget) in 2019 for conducting various competitions, workshops & lectures at various Schools & Colleges in regions of Andhra Pradesh, Tamil Nadu, Telangana & Orissa

**Published in LAMSYS National conference, Sriharikota**

1. Flow phenomenon inside Bell & Dual divergent Nozzles
2. Jet deflector Configurations Study for Pad Abort tests of Human Space Program

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**EDUCATION**

**THE MASTERS’ UNION | Gurgaon 2022-2023**

* PGP in Technology & Business Management, President, SpaceTech Club; MU Innovation Lab
* Secured Karthik Ramanna’s 50% Merit Scholarship for Education
* **Acad. project: Berryly Superfoods** *(A dropshipping online selling of Superfood products from Kashmir)* Created website, Marketing & infrastructure,, Generated Revenue of Rs. 50k+within 4 weeks(~20% margins)

**INDIAN INSTITUTE OF SPACE SCIENCE & TECHNOLOGY (IIST) | Trivandrum 2010-2014**

* Bachelor of Technology, Aerospace Engineering; GPA: 6.95/10 (in top 40%)
* Got selected with full Educational & Residential scholarship (Top 150 throughout India every year)
* Winner in many competitions during Tech fests & Creativity Team Coordinator for Cultural Fests

**Narayana College of Secondary Education, | Visakhapatnam 2008-2010**

* Class12(State Board) - 95%; Secured seat to NIT, Warangal & IIST, Aerospace
* Secured with full Educational scholarship for two years of secondary education

**JAWAHAR NAVODAYA VIDYALAYA | Visakhapatnam 2006-2008**

* Class 10 (CBSE): 94%; Secured full Educational & Residential scholarship (top 2% entries)
* Sergeant of NCC Batch 13(A) BN;

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**Hobbies:** Long cycling(>100kms), Nature Photography, Playing strategic Board games, reading Self-development books

**Personal:** Simply, I'm a person with a long term Goal of “Getting Healthier, Wiser, Wealthier & Happier”. Everything I do is a small step towards reaching this goal.

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