

EUROPEAN FORMAT FOR THE CURRICULUM VITAE



PERSONAL INFORMATION

Name
Office Phone
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Nationality

SASI KIRAN PALATEERDHAM

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Indian

WORK EXPERIENCE

- Dates (from – to)
- Name and address of employer
 - Type of company or industry
 - Type of use
- Main tasks and responsibilities

Feb 2024 – Aug 2024

Kurs Orbital srl, Turin, Italy

Aerospace

Space engineering

- Designing missions for debris removal applications in Low Earth Orbit (LEO)
- Developing propulsive modules for debris removal
- Authoring technical proposals

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June 2023 – Dec 2023

Seoul National University, South Korea

University

Research

- Numerical Modelling of Plasma-assisted combustion for Hypersonic Vehicles using OpenFOAM

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May 2022 – Aug 2022

B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, India

University

Research

- Use of HTPB-Boron Based Solid Fuels for Hybrid Rocket Engines and Solid Ducted Ramjet Applications

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Oct 2021 – Feb 2022

Italspazio srl, catania, Italy

Aerospace

Space engineering

- Studied development of hybrid rocket engines
- Designed space missions for LEO debris removal
- Prepared technical proposals

EDUCATION

• Dates (from – to)	Jan 2022 – May 2025
Type of education or training institution	University
• Main subjects/professional skills studied	Energy engineering
• Qualification achieved	Doctor of Philosophy
• Level in the national classification (if applicable)	
• Dates (from – to)	Jan 2021 – Feb 2022
Type of education or training institution	University
• Main subjects/professional skills studied	Satellite engineering
• Qualification achieved	Master of Science
• Level in the national classification (if applicable)	
• Dates (from – to)	Oct 2017 – Jan 2020
Type of education or training institution	University
• Main subjects/professional skills studied	Aerospace engineering
• Qualification achieved	Master of Science
• Level in the national classification (if applicable)	
• Dates (from – to)	June 2014 – Apr 2017
Type of education or training institution	College
• Main subjects/professional skills studied	Mechanical engineering
• Qualification achieved	Bachelor of Engineering
• Level in the national classification (if applicable)	
• Dates (from – to)	June 2011 – May 2017
Type of education or training institution	Technical institute
• Main subjects/professional skills studied	Mechanical engineering
• Qualification achieved	Diploma
• Level in the national classification (if applicable)	

PERSONAL SKILLS AND COMPETENCIES

Acquired in the course of life and career but not necessarily recognized by official certificates and diplomas.

MOTHER TONGUE

TELUGU

OTHER LANGUAGES

- Reading skills
- Writing skills
- Oral expression skills

- Reading skills
- Writing skills
- Oral expression skills

- Reading skills
- Writing skills
- Oral expression skills

- Reading skills
- Writing skills
- Oral expression skills

INTERPERSONAL SKILLS AND COMPETENCIES

Living and working with other people, in a multicultural environment, occupying places where communication is important and in situations where teamwork is essential (e.g. culture and sports), etc.

ORGANIZATIONAL SKILLS AND COMPETENCIES

TECHNICAL SKILLS AND EXPERTISE

With computers, specific equipment, machinery, etc.

ENGLISH

[excellent]
[excellent]
[excellent, good]

Hindi

[elementary.]
[elementary.]
[good]

Bengali

[elementary.]
[elementary.]
[elementary.]

Italian

[elementary.]
[elementary.]
[elementary.]

Strong team collaboration skills developed through international research projects and multicultural environments.

Skilled in planning, initiating, and consistently delivering projects within established deadlines.

Effective communication abilities honed by tutoring and global STEM education initiatives

Leadership experience as a founding member of Brahmastra Aerospace Systems.

Project management skills acquired through coordinating research visits and collaborative projects.

Event organization and promotion during tenure as Campus Ambassador at IIT Delhi

Operating Systems: Windows, Linux (Ubuntu)

Programming Languages: C, Python, MATLAB

Software Tools: OpenFOAM, ANSYS Workbench, ANSYS Fluent, MATLAB, SolidWorks, Paraview, Pointwise

Other Tools: Microsoft Office Suite