europass Curriculum vitae

PERSONAL INFORMATION

Anamol Mittal

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Sex Male | Date of birth 23/11/1994 | Nationality Nepali

EDUCATION AND TRAINING

09/2019–Present

M.Sc. in Space Studies

International Space University, Strasbourg (France)

- interdisciplinary education involving the study of space-related domains such as sciences, engineering, applications, policy, law, economics, management, etc.
- working on 3D solar printer and exploring its terrestrial and extra-terrestrial applications.
- working on chipsats, chip-sized satellites.

07/2013–06/2017

Bachelor's of Technology in Aerospace Engineering

University of Petroleum and Energy Studies, Dehradun (India)

Subject covered:

- space dynamics and control, orbital mechanics, rocket propulsion, aerodynamics, structures, industrial management, etc

WORK EXPERIENCE

04/2019–Present

Co-founder and President

Nepalese Space Research Association (NESRA), Kathmandu (Nepal)

- leading a non-profit organization to promote the space industry in Nepal by organizing national events such as National Space Meet of Nepal, analog astronaut missions in the Himalayas in collaboration with international organizations, etc.

10/2017–Present

National Point of Contact for Nepal

Space Generation Advisory Council (SGAC), Vienna (Austria)

- volunteering as the representative of the younger generation of Nepal and helping their voices reach the United Nations Office for Outer Space Affairs (UNOOSA) and organizing space events on the behalf of SGAC in Nepal.

08/2016–12/2017

Teaching and Research assistant

Dr. Ugur Guven, Dehradun (India)

- worked on research projects titled, 'Investigating the distribution and ways of mining of nuclear fusion fuel, Helium-3, on the lunar surface' and 'Utilization of a CubeSat mission for disaster preparedness and mitigation: Nepal case study'.

06/2016–07/2016

Research intern

ENSMM, Besancon (France)

- Developed several 300 lines MatLab codes to study the damping characteristics of Shape Memory Polymers in response to variation in its temperature field.

06/2015–08/2015

Research fellow

Space Physics Laboratory, Indian Space Research Organization (ISRO), Thiruvananthapuram (India)

- secured a funded research fellowship and wrote several 300 lines MatLab codes to study the characteristics and variation of the radiant position of meteor showers.

08/2014–04/2017

Co-founder and President

Infinity Space Club, Dehradun (India)

- led the founding of the first astronautical society of UPES constituting more than 250 students and served as the President for 3 years, raised funds to procure a telescope, organized various technical events, managed international relations, etc.

PERSONAL SKILLS

Mother tongue(s): Hindi, Nepali

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
	TOEFL iBT 100				

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages - Self-assessment grid

Organisational / managerial skills

- strategic leadership skills
- cross-cultural understanding
- public speaking skills
- project management skills

Job-related skills: good understanding in several computing languages like C++, MATLAB, SolidWorks, ANSYS, CATIA, COMSOL MATLAB, GMAT etc and experience with data analysis, 3D printers, CubeSats.

ADDITIONAL INFORMATION

Honours and awards

- Served as a judge and a mentor in NASA Space Apps Challenge 2019 in Brescia, Italy to help participants come up with ideas to use satellite data to help life here on Earth.
- Awarded Global Grants 2018 by SGAC, one among 5 in the world to attend SGFF and Space Symposium USA.
- Awarded Asia-Pacific Space Leaders 2018 Award by SGAC, one among 4 from Asia, to attend APSGW and APRSAF in Singapore.

Publications

Investigating the radiant position of meteors

International Journal for Scientific and Engineering Research (IJSER) 2017

Projects

- Built an auto-leveling quadcopter. (project leader)
- Built and tested a radio detector setup for the analysis of the Jovian system.
- Worked on Arduino microcontroller projects like obstacle avoidance, line-following robots, etc.

Conferences

- Global Human Space Exploration (GLEX) 2017, Beijing, China.
- Asia-Pacific Regional Space Agency Forum (APRSAF), Bangalore, India.
- Global Space Congress, Abu Dhabi, UAE
- Asia-Pacific Regional Space Agency Forum (APRSAF), Singapore