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Anesha George

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clients from among the growing number of government agencies and private companies operating satellites, labs, research vessels and potentially tourist operations off-planet. Their SCOT left Earth aboard SpaceXs Transporter-12 in Amany, It is currently in orbit, and elayes in first images on March S. Companies of the state of th

utive officer Sharma. "This is a giant leap."

T space So far, most situational assessment of pale space so far, most situational assessment of pale space so far, most situational assessment of pale space so the space spac

But with rockets now being reused and traffic set to grow, the men behind Digantars decided to use their skills in computer-science and aerospace engineering to meet a niche need. Digantara essentially aims to create "a Google Maps for Near-Earth Objects", enabling a greater degree of protection, in an environment where speeds exceed 14 km per second.

How much debris are we talking about?

According to the European Sonce Agency

now much cebras are we taiking about?
According to the European Space Agency
(ESA), over 39,000 space objects are now
tracked by surveillance networks, of which
11,000 are payloads. An estimated 40,500 pieces of debris are larger than 10 cm. Objects
larger than 1 cm number over a million.

Jarger than 1 cm number over a million.

The dentally, the three men know what it's like to lose something to a drieret hit. It is not something to a drieret hit. It is not something to a drieret hit or a satellite they helped build. Its loss lightlighted the need for space situational awareness," says Ahmed.

They were 19 and still in college when they joined hands to land that international constituting project. They were still 19 when they registered Biguitana as a company, to 'claim seed opinia.' Sharmas says.

Things picked up pace two years later, in 2020, when the Indian Institute of Science. Bengaluru, offered to incubate their star-up. The trio's first office was a room on the terrace of Sharma's family home. All they had were four chairs, a table, a whitebound," and

a strong vision," he says, laughing.

The company has since grown to encompass 100 employees and an assembly and testing facility, all of which sit in a 25,000—sq. the adoffice in Bengaluru. They plan to set up a space-optics production facility in Colorado, to serve clients in the US.

The company is in the process of putting together funding, including from investors in the US, to expand the number of SCOTIs. "We aim to build 15 more over two years, to gather more real-time data," Sharma says.

his wasn't the original dream, though, for any of them.
Sharma's family wanted him to take his computer engineering degree to the US and build a life there. Graduating in computer science engineering brought Rawar's parents great joy. But his entrepreneurship, he says, left like an endless internship to them.
Ahmed, meanwhile, tried to enter the National Defence Academy (NDA), before moving to acrospace engineering.

National Defence Academy (NDA), before moving to acrospace engineering. To day, it is a huge relief, they say, to have their goal of being first in the air, "at a time when space tech is in rapid develop. They have seen their company raise St4.5 million in funding, over five years. "Our mantra has been to celebrate failure and fall fast," Sharma says. "We've made mistakes, learned along the way, built the right technology at the right time. Id say that's the lesson: Fall early and learn fast."

Inis Wash Cure Original original for any of the three men. Anirudin Sharma and Tanveer Ahmed of Bengaluru, and Rahul Rawat of Pauri Garhwal in Uttarakhand, started out the dreams of a life in the US, or a er as a fighter pilot.

They ended up studying computer-science and aerospace engineering, and began to collaborate while in college. They registered their staft-up. Digantara, when they ere still 19. "We registered it so we could aim an invoice, which ended up being ur seed capital," says Sharma, CEO.

The company has since grown to 100 employees, testing and production facilities, a growing list of investors – and a first-oits-kind eye in the sky. "We've made mistakes, learned along the right time. I'd say that's the lesso early and learn fast," Sharma says.

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