

Intel® Startup Program

Powering Innovation to Scale



At the Forefront



Neel Bhatia

Senior Director, Technology Incubation Group, Intel India

As I write this, I am reflecting on the recent achievement of the Chandrayan 3 mission. The success of India's first-ever manned mission showcases the country's talent, innovation, and impeccable execution. This is particularly true for India's burgeoning deep-tech prowess and for the potential ascendancy of India in the realm of deep tech ecosystem, where limitless possibilities await.

India today possesses not just the required talent, but also the right mindset and confidence to foster innovation and build successful deep tech startups.

As India continues to make a mark globally, I see unlimited opportunities and possibilities for Indian tech startups to harness the potential that deep tech especially involving AI, IoT, Biotech, Space Tech amongst many others. This deep tech startup sector is at the cusp of experiencing a remarkable boom, creating a treasure trove of opportunities. In this exciting backdrop, Intel will continue to play an important role as it enables this ecosystem with the tech prowess and computing capabilities.

The team, through a series of carefully curated articles, opinion pieces, and relevant insights in this edition of the newsletter, brings to you valuable insights, expert perspectives, and the latest developments that are shaping the future of the deep tech startup landscape. I hope you enjoy reading the content of this edition. Do share with us your valuable insights and let us know what other aspects of this exciting startup ecosystem you would like to learn about.

Welcome Aboard: New Startups

Astrogate Labs
Fast, Simple, Secure... communication for your space assets

Founded : 2017

Founder : Nitish Kumar Singh, Aditya Kedlaya

Technology: Satellite laser communication solutions

Vertical : Space-tech, Aerospace & Defense

Solutions Overview : Offering solutions that provide 1 Gbps space-to-ground secure laser communication for small satellites and laser communication systems for Indian defense for secure point-to-point communication from ship-to-ship and ship-to-shore use cases.

[Learn more →](#)

Chipspirit Technologies Pvt Ltd
Every chip is built with its spirit nurtured by a passionate team

Founded : 2018

Founder : Mohan Kumar Jindal

Technology: Semiconductors and Hardware based security solutions

Vertical : Cybersecurity

Solutions Overview : **ABHED1** - The world's first fully hardware-based encryption device for secure data transmission, both offline and over a public network. **Hardware Data Diode** - A fully hardware-based one-direction data transfer for additional security, without any software layer.

[Learn more →](#)

SecurWeave Research Labs Pvt. Ltd
Weaving the fabric of next generation security

Founded : 2021

Founder : Dr Prem Chand, Gopakumar Thekkedath, Dinakar Medavaram

Technology: Cybersecurity

Vertical : Endpoints and embedded devices

Solutions Overview : An indigenous security hypervisor solution offering that can stop kernel mode rootkit attacks. It can stop advanced malware attacks and cater to the varying needs of the evolving digital space.

[Learn more →](#)

Catalysts of Change

Founder's Talk



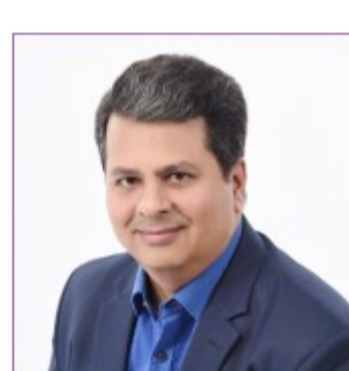
Ranjani Narayan
Chief Executive Officer
Morphing Machines

Polymorphic Processor for Reconfigurable Computing

The classical problem of efficiently executing multiple applications with diverse power-performance requirements has only been partially addressed by the existing commercial off-the-shelf (COTS) processors/systems. Applications of this nature are typically supported by software overlays on fixed hardware, leading to non-deterministic behaviour in terms of latency and throughput...

[Read more →](#)

Mentor's Talk



Deepak Tanna
Principal Engineer,
Design Engineering Group,
Intel India

Reconfigurable Computing: Why It Matters in Today's Tech Landscape

As technology continues to advance at a rapid pace, the need for efficient and adaptable computing systems becomes increasingly crucial. One emerging trend that holds immense promise is reconfigurable computing. This innovative approach allows for the dynamic building of hardware based on the specific requirements of an application, resulting in optimized performance and enhanced flexibility.

[Read more →](#)

In the Spotlight

N5 Technologies

Founded : 2020

Founder : Girish Mutreja

Solutions Overview : N5 offers an edge-cloud platform for ultra-low latency applications that process large amounts of data in real-time. Applications that need to process large amounts of data in real-time cannot run in public clouds due to unsuitable software, distance from market and virtualized architecture. N5 implements a next generation, data-intensive, compute architecture pattern and extends the reach of such applications from virtual public clouds to the edge.

[Learn more →](#)

Founder's Quote

"The Intel Startup Program has been invaluable to us in enabling direct access to key technical personnel and hardware resources at Intel. Not only did this help us in solving some of the key technical challenges but also helped us in refining our technical roadmap."

Girish Mutreja,
CEO and Founder,
N5 Technologies

The Newsmakers

[Army inks deal with Astrome Tech Pvt Ltd for Tactical LAN Radio systems](#)

[Space data application firm SatSure invests in space technology firm Astrogate Labs](#)

[How Entropik's AI tech is reinventing consumer research](#)

[Union Minister Dr. Jitendra Singh launches India's first Indigenous, Ultrafast, High Field MRI Scanner developed by Voxelgrids Innovations](#)

[Robotics firm Addverb to invest 500 cr in manufacturing](#)

[MeitY announces support for new semiconductor design startup - Calligo](#)

[Jidoka Technologies announces the revolution Self-training Software for AI-based Object Detection](#)

Street Buzz

[India winning global manufacturing battle as supply chains shift away from China](#)

[Inventive deeptech can yield up to 50% ARR growth for B2B SaaS companies](#)

[How DeepTech will shape the future of Indian B2B SaaS](#)

[Bharat Innovation Fund looking to double investment in deeptech startups](#)

[Draft National Deep Tech Startup Policy published by Principal Scientific Advisor](#)

[India will need 20 lakh deep tech engineers by 2030, says IESA's Krishna Moorthy](#)

[Government is planning GPU cluster to boost Indian AI startups, says Union Minister Rajeev Chandrasekhar](#)

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