

## Alumni Webinar Talk # 15 on 01st Feb. 2025 (11:30 AM to 12:45 PM IST)

Office of Alumni Affairs, IIITA, Prayagraj

Brief Biodata of the Speaker **Mr. Madan Kumar Pernati**

(IIITA Alumnus, B. Tech. IT 2004 Batch, Enrollment No. B2004038)

**Title of Talk: "Computer Vision & Sensor Fusion: Solving Real- World Road Safety Challenges"**

### **Education**

- B.Tech. (information Tech.) 2004 – 2008, IIIT Allahabad

### **Experience**

- Director of Engineering, Sycamore Informatics Inc., Oct 2024 - Present
- Director of Engineering & Head of Operations, SenSen Networks April 2012 - Jan 2024
- Co-Founder and Director, i2V Systems, Apr 2011 - Mar 2012
- Technical Leader, VVDN Technologies, Sep 2009 - Apr 2011



**Madan Kumar Pernati**

### **Personal Statement**

A passionate technology leader and innovator, Madan Kumar Pernati has dedicated his career to advancing the frontiers of Artificial Intelligence and Computer Vision solutions. His journey from a software engineer developing number plate recognition systems to becoming a Director leading global AI initiatives showcases the exciting possibilities in the tech industry for aspiring professionals.

At the heart of his work is the fascinating intersection of AI, IoT, and real-world applications. Madan has pioneered solutions that make cities smarter and safer - from intelligent traffic management systems to advanced surveillance for critical infrastructure. His work with computer vision technology has helped transform how cities manage parking, how airports monitor security, and how businesses protect their assets. These solutions now serve numerous smart cities, transport authorities, and enterprises worldwide.

What makes Madan's technical expertise particularly valuable is his hands-on experience with cutting-edge technologies. He works extensively with AI/ML frameworks, IoT sensors, edge computing devices, and cloud platforms like AWS, Azure, and GCP. His projects often involve exciting technologies such as smart cameras, drones, LiDAR sensors, and AI-powered edge devices, demonstrating how theoretical concepts taught in classrooms translate into real-world innovations. For students interested in technology careers, Madan's journey highlights the importance of strong foundational knowledge combined with practical implementation skills. His evolution from working on specific computer vision algorithms to leading full-scale AI solutions demonstrates how technical expertise can grow into leadership roles. He actively promotes innovation in emerging technologies, including GenAI, computer vision, and IoT, making him a bridge between academic concepts and industry applications.

Through his leadership of development teams and centres of excellence, Madan continues to mentor the next generation of tech professionals, helping them understand how to transform innovative ideas into solutions that impact millions of users globally. His work exemplifies how technology careers can contribute to meaningful developments in urban technology, public safety, and business transformation.



**IIIT Allahabad**  
**Office of Alumni Affairs**

## **IIITA ALUMNI WEBINAR SERIES # 15**

*Topic : Computer Vision & Sensor Fusion: Solving Real World Road Safety Challenges*



**Speaker: Madan Kumar Pernati**  
**Profile: Director of Engineering @**  
**Sycamore Informatics Inc**  
**B.Tech IT 2004 Batch**



**Chief Guest**  
**Prof. Mukul S. Sutaone**  
**Director IIITA**



**RSVP**  
**Prof. Anupam**  
**Dean (Alumni Affairs)**



**1st February 2025**  
**Saturday**



**11:30 AM (IST)**  
**Onwards**



**Google Meet**