Dr. Srinivas Padmanabhuni

Profile and Success Story as **Distinguished Fellow** in **Artificial Intelligence** by the **AI** Forum of IIT Alumni Council

Dr. Srinivas Padmanabhuni stands as one of India's most eminent engineers, **AI** thought leaders, and technology entrepreneurs, renowned for his pioneering work across academia, industry, and the deeptech startup world. His recognition as a **Distinguished Fellow** in **Artificial Intelligence** by the **AI** Forum of the IIT Alumni Council stands as a testament to his transformational impact on the **AI** ecosystem—both in India and globally.

Academic and Professional Journey

Dr. Padmanabhuni's academic path is nothing short of exceptional: he is a Gold Medalist from IIT Kanpur (B.Tech, 1990), holds an M.Tech from IIT Bombay, and earned his Ph.D. in **Artificial Intelligence** from the University of Alberta, Canada. His *research* specialization includes **AI**, machine learning, software engineering, cybersecurity, and responsible **AI**. He has authored over 100 refereed international publications and a book published by Wiley, as well as regularly lecturing over 15,000 students and delivering more than 400 invited talks across eight countries.

Industry and Startup Success

Spanning 28+ years, Dr. Padmanabhuni's career bridges leading *research*, *innovation*, and entrepreneurship. At Infosys, he spent 13 years rising to Principal Research Scientist and Associate Vice President, where he managed the University Innovation Ecosystem and led world-class R&D; in software engineering. He received several prestigious awards, including Excellence in Innovation at Infosys and Research Excellence at the University of Alberta.

Driven by a passion for practical **AI**, he co-founded CityMandi.com—a first-of-its-kind **AI**-driven B2B startup for farm-to-fork supply chains and agritech solutions, built to improve sourcing and transparency in the wholesale grocery space. He is also the co-founder and CTO of AIEnsured, a globally recognized Responsible **AI** startup, and was the force behind testAIng.com, one of the world's early **AI** testing solution companies.

Dr. Padmanabhuni's entrepreneurship has not only pushed technological boundaries but also addressed societal good by empowering micro-entrepreneurs and advocating novel supply chain models rooted in Nobel Prize-winning economic theories.

Influence in AI Assurance and Responsible AI

Long before **AI** safety and trustworthiness became global conversations, Dr. Padmanabhuni recognized the need for rigorous testing and assurance frameworks in **AI**. His persistent work resulted in the world's first **AI** testing certification, now adopted and furthered by global industry certifying organizations. He led the development and expansion of comprehensive **AI** testing platforms that assess the reliability, safety, and fairness of mission-critical **AI** systems, in areas such as Vision **AI**, NLP **AI**, and large language models. He is a leading advocate for responsible and ethical **AI**, speaking at major forums and collaborating with standards bodies and governments worldwide.

Service to the Computing Community

Dr. Padmanabhuni is a past president of ACM India, the premier professional body for computing professionals, and remains a guiding mentor for multiple organizations. He co-founded the ACM India Council, significantly shaping the nation's *research* landscape for future generations. He has also mentored startups and students as Chief Mentor at Tarah Technologies and as an advisor to **AI** startups, fostering the next wave of **AI** innovators.

Patents, Publications, and Awards

Among his many achievements:

Seven granted patents and multiple patents in process, spanning **AI**, software engineering, and cybersecurity innovations.

Gold Medalist from IIT Kanpur, Research Excellence Award from the University of Alberta, and multiple accolades for technical and entrepreneurial excellence.

Distinguished as an Eminent Engineer by the Institution of Engineers (IEI).

Elevated to a *leadership* role as **Distinguished Fellow**, **AI** Forum of IIT Alumni Council, where he guides national and global discourse on Managing **AI** for societal and technological transformation.

Vision and Legacy

Dr. Padmanabhuni is known for his *vision* that self-learning, self-programming machines must embed safety, trust, and responsibility. He champions the paradigm: "Trust but verify" for **AI** systems, tirelessly working to ensure that **AI**'s rise brings societal progress, fairness, and security for all.

His *leadership*, technical contribution, entrepreneurial drive, and service have not only transformed organizations but also seeded entire ecosystems for technology-driven advancement and ethical **AI** adoption in India and beyond.

Dr. Padmanabhuni's story is one of relentless curiosity, courage to embrace new challenges, and a commitment to harnessing technology for large-scale societal good, a story well worthy of the **Distinguished Fellow** honor in **Artificial Intelligence**.