

Application: 4741

Siva Sathyanarayana Movva, President, Innovations for Water Corp.

Page: General Information
Provide information about the company to be considered for the award. If you will be nominating an individual, specify the nominee's employer.
Name of Organization/Company Technology Consultant at SWIFT & President at Innovations for Water Corp. (I4W)
Additional Contacts I do not wish to list additional contacts
Page: Entry Information
Entry Title Siva Sathyanarayana Movva, President, Innovations for Water Corp.
Category O10. Executive of the Year - Green and Clean Technology
Executive Nominee Submission Format Written Answers
a. Briefly describe the nominated executive's employer: the organization's history and past performance (up to 200 words). Required President at Innovations for Water Corp. (I4W), VA based non-profit Organization which focuses on building technologies for Water Management and implementing sustainable water programs I4W aims to build next generation technologies for smart water management, including data analytics, IoT sensors, block chain, satellite imaging, machine learning and AI technologies for water management systems. I4W got an MoU with BITS, Pilani, an esteemed academic institution in India. Research areas include drought monitoring with neural networks, flood prediction using explainable AI, rainwater treatment with granular and membrane filters, and urban water demand prediction with neural networks. Technologies in development focus on intelligent water management through digital twins, IoT and AI integration, smart water harvesting, water leakage detection with machine learning and wireless sensors, water quality prediction with AI, frugal innovations, and smart irrigation with IoT. I4W will lead the development of systems and technologies for water purification, conservation, storage, treatment, quality monitoring, recycling, and reuse. I4W will also collaborate with academic institutions, financial bodies like the World Bank, ADB, IMF, and various business, industry, and government agencies globally to establish efficient water management systems essential for safeguarding planetary health and ensuring a sustainable future for all.

b. Outline the nominated executive's achievements since the beginning of 2022 that you wish to bring to the judges' attention (up to 250 words). Required

Received global recognition for my contributions to the tech industry over nearly two decades, earning the Issn Best Award, Global recognition Award, and FinNext Award. As a technology consultant at S.W.I.F.T., I work with multiple banks and institutions worldwide, handling global payments and transactions. In collaboration with BITS Pilani, I have advanced innovative water management solutions. My research covers various critical areas:

- Efficient Water Management through Intelligent Digital Twins
- Integration of IoT and AI in Water and Wastewater Treatment
- Granular and Membrane Filters for Rainwater Treatment: A Comparative Study
- Flood Prediction using Explainable Artificial Intelligence
- Smart Water Harvesting System using IoT
- Urban Water Demand Prediction using Artificial Neural Networks
- Water Leakage Detection using Machine Learning & Wireless Sensors Network (IoT)
- Water Quality Prediction using Artificial Intelligence
- Rainwater Treatment and Reuse using Membrane Technology
- Frugal Innovations in the Water Sector
- Smart Irrigation Systems using IoT
- Development of Digital Twins for Urban Water Systems

I am currently exploring the use of blockchain technology with AI for transparent and efficient water transactions, enhancing water resource management. Additionally, I am investigating the integration of sensors and data analytics for real-time feedback on water delivery and usage to inform decision-making. Actively working as a member of the Water Environment Foundation, VA Water Foundation, Arizona Water Foundation, and American Water Works Association, I have actively engaged with startups. I mentored YOUR BUS INDIA, a bus tracking software company later acquired by iBibo.

c. Explain why the achievements you have highlighted are unique or significant. If possible compare the achievements to the performance of other executives in your industry and/or to the nominee's past performance (up to 250 words). Required

At I4w, our commitment to excellence and innovation distinguishes us, empowering us to deliver solutions that encourages success and sustainability for our clients worldwide. We offer the following services.

Consulting: We offer comprehensive guidance across business strategy, management, operations, and technology to empower informed decision-making and enhance performance.

Education: We provide expert advice and services in strategic planning, curriculum development, institutional assessment, professional development, and specialized education services.

Monitoring: Our monitoring services track and evaluate project progress, assess goal achievement, identify improvement areas, and optimize resource utilization.

Grant Writing: We assist organizations in preparing and submitting grant proposals to secure funding from government, foundations, or private organizations. Services include opportunity identification, proposal crafting, and application navigation for impactful projects.

My career initially focused on achieving results in the tech and financial sectors, particularly in optimizing global payments. However, it has since evolved to emphasize knowledge and its broader applications. Through research collaborations, notably in water management with BITS Pilani, I've explored AI, IoT, and blockchain to tackle global challenges in sustainable water management.

Today, insights gained from these efforts actively benefit non-profit organizations, showcasing a commitment to societal impact. By integrating advanced technologies and strategic insights into non-profit initiatives, we enhance efficiency, promote transparency, and contribute to global sustainable development goals. This evolution underscores my dedication to innovation, sustainability, and leadership in both the tech industry and sustainable water management.

d. Reference any attachments of supporting materials throughout this nomination and how they provide evidence of the claims you have made in this nomination (up to 250 words). Optional

My journey in the tech industry spans nearly two decades, marked by global recognition through esteemed awards such as the Issn Best Award, Global Recognition Award, and FinNext Award. As a technology consultant at S.W.I.F.T., I collaborate with multiple banks worldwide, specializing in global payments and transactions. This hands-on experience underscores my leadership in optimizing financial systems on a global scale.

My partnership with BITS Pilani has yielded innovative advancements in water management. Successfully guiding startups to acquisition demonstrates strategic foresight and industry influence. These achievements collectively validate my impact in technology and sustainability, showcasing leadership, innovation, and a dedication to driving positive global change.

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<https://globalrecognitionawards.org/winners/2024/siva-sathyanarayana-movva-wins-2024-global-recognition-award/> (<https://globalrecognitionawards.org/winners/2024/siva-sathyanarayana-movva-wins-2024-global-recognition-award/>)

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<https://www.freepressjournal.in/tech/driving-innovation-in-embedded-technologies-lessons-from-siva-movvas-career> (<https://www.freepressjournal.in/tech/driving-innovation-in-embedded-technologies-lessons-from-siva-movvas-career>)

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<https://tftipost.com/2021/02/innovation-in-it-products-services-a-look-at-siva-sathyanarayana-movvas-contributions-to-high-value-solutions/> (<https://tftipost.com/2021/02/innovation-in-it-products-services-a-look-at-siva-sathyanarayana-movvas-contributions-to-high-value-solutions/>)

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MuLsxx1gpA?Movva_TechnoBusinessProfile.docx)

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