

# ASWIN SARANG

## Managing Director - Robotics & AI Systems

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aswinsarang.ai Dubai, United Arab Emirates Indian



### PROFILE

Founder of Dubai's first robotics company and Managing Director with 9+ years pioneering AI-driven automation across the Middle East, Africa, and beyond. Trusted advisor to Fortune 500 companies including Aramco, Huawei, and Pfizer. Award-winning innovator recognised by e& SMB 2024 as the Best Robotics Company in the Middle East. Specialises in humanoid robotics, autonomous systems, and translating emerging technology into real-world commercial impact.

### PROFESSIONAL EXPERIENCE



#### Managing Director

**Reliable Robotics** 06/2018 - Present Dubai, United Arab Emirates  
<https://reliablerobotics.ai/>

Reliable Robotics, Dubai's first, specializes in automation and AI robotics for retail, healthcare, and hospitality.

- Founded and led Dubai's first robotics company, pioneering advanced robotic solutions.
- Developed and sold humanoid and quadrupedal robotics to top global brands, including Aramco, Huawei, Pfizer, and others.
- Spearheaded business development, strategic partnerships, and market expansion.
- Worked with government entities to shape robotics regulations and licensing in the UAE.
- Provided robotics consulting for industries seeking advanced robotic integration.



#### Robotics Systems Engineer

**Pico Group** 08/2017 - 06/2018 Dubai, United Arab Emirates  
<https://www.pico.com/en/>

Pico Global, a leader in experiential marketing, provides interactive robotic experiences and advanced robotics for global brands.

- Led robot deployments for crowd entertainment at large-scale events and exhibitions.
- Developed interactive robotic applications to enhance customer engagement and audience interaction.
- Designed and implemented UI/UX solutions for touchscreen applications, interactive kiosks, and robotics-driven experiences.
- Engineered experience design by integrating robotics with multimedia, gesture-based interactions, and AI-driven interfaces.
- Provided on-site technical support, ensuring seamless integration of robotic platforms with event infrastructure.



#### Robotics Engineer

**DGW** 08/2016 - 07/2017 Dubai, United Arab Emirates  
<https://www.crunchbase.com/organization/digirobotics>

DGW excels in mobile robotics, autonomous systems, and sensor integration, creating solutions for industry and commerce.

- Worked on 3D localization, mapping, and path planning for mobile robots and autonomous vehicles.
- Integrated LiDARs, laser sensors, and other perception systems to design and develop custom robotic solutions based on client requirements.
- Conducted research on robotic technologies, enhancing navigation, obstacle avoidance, and SLAM (Simultaneous Localization and Mapping) capabilities.
- Developed demonstrations and proof-of-concept applications, supporting sales and marketing teams in showcasing DigiRobotics' products and capabilities.

### TRAINING / COURSES

#### Advanced Robot Programming

Kuka Robotics, India

#### Advanced Diploma in Industrial Automation

TÜV Rheinland

#### Basic Robot Programming, Installed System Overview & Electrical/Mechanical Maintenance (IN-RB04)

ABB Robotics, India

#### Certified Organizational Development Coach

International Coaching Federation

### ADVISORY BOARD EXPERIENCE



#### Advisory Board Member

##### Uvionix

03/2025 - Present  
Los Angeles, United States

Enterprise inventory management with AI and autonomous drones.



#### Advisory Board Member

##### THEOSYM

03/2025 - Present  
Irvine, United States

Driving change with responsible AI, enhancing potential, and innovating solutions.



#### Advisory Board Member

##### DeepXL

03/2025 - Present  
Delaware, United States

A deepfake detection framework for a safer and more authentic online environment for all.

### CONSULTING EXPERIENCE



#### Robotics Subject-Matter Expert

##### GLG

05/2024 - Present  
<https://glginsights.com/>

As a GLG Network Member, I bring 9 years of experience in the robotics industry to help clients solve some of their toughest business challenges around automation, artificial intelligence, and advanced robotics solutions.



#### Robotics Subject-Matter Expert

##### Coleman Research

04/2024 - Present  
<https://www.colemanrg.com/>

Provide expert advice on robotics to help clients solve business challenges. Utilize extensive experience in automation, AI, and advanced robotics solutions to offer strategic guidance.



#### Robotic Solutions Advisor

##### Guidepoint

03/2024 - Present  
<https://www.guidepoint.com/>

Offer specialized robotics expertise to assist clients in overcoming business challenges. Leverage deep experience in automation, AI, and advanced robotics solutions to provide strategic insights and guidance.

### EDUCATION







#### BE. Mechatronics Engineering

##### Manipal Academy of Higher Education, Dubai



2012 - 2016  
Dubai, United Arab Emirates

## KEY ACHIEVEMENTS



-  e& SMB Award 2024 - Best Robotics Company in Middle East
-  Featured in 200+ international news outlets.
-  Founder of Dubai's First Robotics Company, pioneering AI-driven automation solutions.
-  Enabled Robotics Licensing in Dubai, influencing government policies for tech startups.

## ROBOTICS PROJECTS



### Multi-Domain Robotic Deployment – Entertainment, Wayfinding & Café Automation

-  2023  Ethiopia Science Museum, Addis Ababa, Ethiopia
- Orchestrated the end-to-end deployment of a multi-robot ecosystem across three distinct operational domains — entertainment, wayfinding, and café automation — within one of Africa's premier science institutions.
  - Deployed interactive entertainment robots to engage and educate museum visitors, creating immersive, technology-driven experiences that brought science to life.
  - Integrated autonomous wayfinding robots to guide thousands of daily visitors across the museum's facilities, enhancing navigation efficiency and visitor flow.
  - Launched a fully operational robotic café, delivering an automated food and beverage service experience that positioned the museum as a flagship showcase of real-world AI and robotics in action.

### 5G-Enabled Collaborative Robot Demo – Ethiopia 5G Network Launch

-  2020  Addis Ababa, Ethiopia · Partners: Huawei · Ethio Telecom
- Led the end-to-end design, integration, and live demonstration of a 5G-connected collaborative robotics system, selected as the centrepiece showcase for Ethio Telecom's landmark 5G network launch in Ethiopia — the country's first commercial 5G rollout — in strategic partnership with Huawei.
  - Engineered the integration of collaborative robots equipped with electronic skin technology — pressure-sensitive surface sensors that enable safe, responsive human-robot interaction — demonstrating real-time cobot awareness and adaptive behaviour transmitted and controlled entirely over a live 5G network.
  - Managed the strategic client and partner relationship with Huawei and Ethio Telecom throughout the project lifecycle — aligning technical deliverables with the launch narrative, coordinating rehearsals, and ensuring the demonstration reliably conveyed 5G's low-latency, high-reliability capabilities to a high-profile audience of government officials, telecom executives, and media.

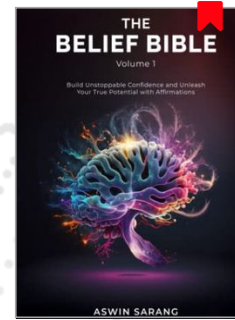
### Water Tank Structural Inspection – Quadruped Robot Deployment

-  2023  NEOM Community Centre, NEOM, Saudi Arabia
- Led the full project lifecycle — from scoping and hardware configuration through to on-site deployment and client handover — for a quadruped robot-based visual inspection of a water storage tank at NEOM's community centre, one of the world's most ambitious smart city developments.
  - Successfully flagged multiple areas of potential structural concern for human engineering review — delivering a structured inspection report with annotated visual evidence, eliminating the need for confined-space human entry and significantly reducing inspection risk and cost for the client.
  - Managed the end-to-end client relationship with the NEOM project team, aligning technical deliverables with their infrastructure inspection requirements and presenting findings in a format actionable for their civil and facilities engineering teams.

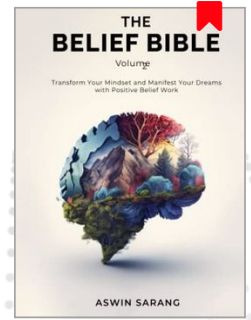
### AI-Powered Humanoid Training Robot – Government Workforce Development

-  2023  Abu Dhabi, UAE · Client: Department of Government Enablement
- Led the full project lifecycle — from concept and curriculum design through hardware setup, robot configuration, and client delivery — for a first-of-its-kind humanoid robot-based technical skills training programme commissioned by the Abu Dhabi Department of Government Enablement.
  - Handled complete hardware commissioning and on-site setup, ensuring the humanoid platform was fully operational, calibrated, and integrated with the training content system ahead of each session — delivering a seamless experience for government staff with no prior exposure to robotic systems.
  - Managed the end-to-end client relationship with the Department of Government Enablement, presenting the solution to stakeholders, incorporating feedback into successive iterations, and positioning the deployment as a flagship example of AI and robotics driving public sector innovation in the UAE.

## BOOKS









**The Belief Bible - Vol 1**  
Aswin Sarang

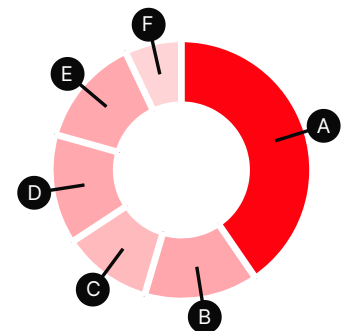


**The Belief Bible - Vol 2**  
Aswin Sarang

## INTERESTS



-  Handpan Musician
-  Emerging Technology & Science
-  Public Speaking & Thought Leadership
-  Mentoring & Human Development
-  Writing & Publishing
-  Future of Humanity & Philosophy

## MY TIME



- A** Innovation & Strategy
- B** Research & Development
- C** Business Growth & Partnerships
- D** Public Speaking & Thought Leadership
- E** Mentoring & Team Development
- F** Coaching & Content Creation

## FIND ME ONLINE

-  [LinkedIn](#)  
aswinsarang
-  [YouTube](#)  
aswinsarang

**Robotics & Engineering**

ROS Humanoid Robotics Quadrupedal Robots Collaborative Robots

Autonomous Navigation SLAM 3D Localisation &amp; Mapping

LiDAR &amp; Sensor Fusion Path Planning Algorithms Embedded Systems

Robot Deployment &amp; Commissioning 5G-Integrated Robotics

Industrial Automation Human-Robot Interaction

Gazebo Simulation Environments Python C++

**Artificial Intelligence & Emerging Tech**

P&amp;L Ownership Go-to-Market Strategy Technology Roadmapping

Strategic Partnerships Business Development

Government &amp; Regulatory Affairs Fortune 500 Client Management

Corporate Innovation Startup Scaling Technology Consulting

Product Development R&amp;D Leadership Market Expansion

Digital Transformation Agile / Scrum

**Leadership & Soft Skills**

Executive Leadership Cross-functional Team Management

Stakeholder Communication Thought Leadership Public Speaking

Emotional Intelligence (EQ) Organisational Coaching

Mentoring &amp; Talent Development Strategic Vision

Adaptability &amp; Continuous Learning

"What lies behind us and what lies before us  
are tiny matters compared to what lies within  
us."

Ralph Waldo Emerson