



Arab Academy
for Science, Technology & Maritime Transport
الأكاديمية العربية للعلوم والتكنولوجيا والنقل البحري



معهد تدريب الموانئ
Port Training Institute

Training and Organizational Development Conference **TOD'25**



The Impact of **Artificial Intelligence** on the Future of the Human Workforce

"Building Today's Talent, Achieving Tomorrow's Excellence "

03-04 **DECEMBER** | 2025

Helnan Antoiades Palace Hotel
Alexandria- Egypt



Training and Organizational Development
Conference **TOD'25**

"Building Today's Talent, Achieving Tomorrow's Excellence"



From Automation to Augmentation: Reskilling the Workforce for an AI-Enabled Era



Mayur Ramgir

Principal Instructor

London School of Emerging Technology



Overview

- AI's transformative impact on global workforce
- Shift from automation to augmentation
- Need for rapid reskilling
- Role of academia, industry & policy

About the Speaker: **Mayur Ramgir**

- AI, ML & Cybersecurity leader
- Principal faculty at LSET
- Author with Wiley, Pearson, Packt
- Journal Ass. Editor with IGI Global,
- Journal Reviewer with IEEE IoT & IGI Global

AI's Impact on Job Roles

- Emerging vs declining roles
- Rise of cognitive, creative and strategic work
- Changing definition of “human advantage”

Automation → Augmentation

- Moving beyond task replacement
- Humans + AI collaborative systems
- Skills that complement intelligent tools

Reskilling Pathways

- Short courses & bootcamps
- Workplace simulations
- Innovation labs & hands-on AI projects

LSET Case Insights

- AI & Cybersecurity programs
- Startup incubator linked to employability
- Real-world industry integration

Collaborative Ecosystems

- Academia + industry co-creation
- Continuous learning cultures
- Workforce-ready talent pipelines

Key Takeaways

- How AI is redefining work & skills
- Frameworks for rapid reskilling
- Human-machine collaboration mindset

Thank you

The future is not **humans vs machines.**

It is **humans empowered by machines.**

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