

Shahistha Tabbasum

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Profile

Self-motivated and progress-driven ICT and STEM educator with extensive experience in robotics, coding, AI integration, and technology-enhanced learning across primary, secondary, and tertiary levels. Hold a **Master's in Advanced Teaching** and am currently pursuing a **PhD in Education**, with a strong focus on future-ready learning. Skilled in designing **innovative, student-centered experiences** that build engagement, problem-solving abilities, and digital fluency. Seeking opportunities to contribute expertise in **ICT, STEM, and AI education** within UAE's forward-thinking schools and dynamic EdTech sector.

Experience

MYRA ACADEMY , BANGALORE

Manager - Training & Operations

NOVEMBER 2025 - PRESENT

- Overseeing daily academic and operational functions to ensure smooth delivery of STEM, Robotics, and AI programmes.
- **Designing training modules for teachers**, including **STEM integration**, robotics pedagogy, and classroom technology usage.
- Coordinating with academic departments to maintain curriculum quality and ensure alignment with school goals.
- **Managing student engagement activities, workshops**, and events related to coding, robotics, and emerging technologies.
- Monitoring operations, **scheduling, resource planning, and team performance** to achieve institutional objectives.

ROBOCHAMPS (ONLINE, USA REGION)

ROBOTICS EDUCATOR

OCTOBER 2024 - MARCH 2025

- Led interactive robotics workshops across the USA, engaging diverse student groups through project-based learning.
- **Designed and delivered customized robotics lessons** using platforms such as **Pictoblox** and **Tinkercad**, strengthening students' understanding of robotics fundamentals.
- **Enhanced STEM skills** by guiding hands-on projects, including programming autonomous robots and conducting drone-based simulations to promote practical knowledge and critical thinking.
- Achieved a **90% improvement in student engagement and interest in STEM subjects**, as reflected in participant feedback and satisfaction surveys.

DPS MODERN INDIAN SCHOOL | DOHA, QATAR

ICT TEACHER, PRIMARY SCHOOL

AUGUST 2021 - SEPTEMBER 2023

- **Pioneered ICT and robotics curricula**, integrating AI tools and gamification to drive digital transformation and boost student engagement and retention.
- **Developed interactive online quizzes and educational games**, enhancing learning experiences and improving knowledge retention.

- **Mentored students for inter-school competitions**, leading to placements in **three regional STEM contests**.
- **Collaborated with the Social Media team** to produce video content for school events, resulting in a significant increase in online engagement.

PRIOR EXPERIENCE

INTERNATIONAL INDIAN SCHOOL, AJMAN
COMPUTER SCIENCE TEACHER

AUGUST 2016 - MARCH 2017

ROYAL PUBLIC SCHOOL BANGALORE
COMPUTER SCIENCE TEACHER

JULY 2015 - JUNE 2016

Education

- Ph.D. in Education (“Enhancing STEM, AI, and Robotics Education in K–12 through Quantum-Inspired Pedagogical Approaches”), European International University of Paris, Bangalore, IN – Pursuing
- Master of Arts in **Advanced Teaching**, European International University of Paris, Bangalore, IN – 2025
- Bachelor of **Education** in Computer Science, Singhania University, Rajasthan, IN – 2022
- Bachelor of **ENGINEERING** in Computer Science, Visvesvaraya Technological University, Bangalore, IN – 2015
- Diploma in Pre-Primary Education, Asian College of Teachers, Bangalore, IN – 2017

Certifications

- Teaching Computational Thinking, University of Canterbury, 2025
- Digital and collaborative Teaching and Learning, academyEX [Sampler] 2025
- Python Teacher Training, Stempedia, 2025
- AI in the classroom, Canva, 2025
- Power BI Workshop, Office Master, 2025
- STEM Robotics Certified Educator, UpEducators, 2024
- Drone Technology Integration in Classrooms, Aspire Drones, 2024
- Storytelling and Gamification in Learning, Sharjah Private Education Authority, 2024
- ChatGPT Foundations for K–12 Educators, Common Sense, 2024

Publications

- REWIRED: A Journey Through Spark, Syntax, and STEM, Published: 2025 | Available on Amazon
- Research paper "Using Coding Games to Improve Logical Thinking in Primary School Students, published in the International Journal of Innovative Science and Research Technology (IJISRT), June 2025 | ISSN: 2456-2165

Awards

- Panelist for the 2022 Qatar Chapter Inter-School Teachers Discussion Forum on "Optimal Use of Digital Tools in Teaching.
- Top 10 percentile in the International Teachers Olympiad (2022).
- Ranked Top 500 in the International Digital Teachers Olympiad (2024)
- EdTech Integration & Author Award –GTF India & New Age Education Summit 2025 {Recognized for excellence in technology-enhanced education and authorship in STEM learning.}

Volunteer

- Robotics Educator for Underprivileged Children, We Care Charitable Trust, Bangalore, IN, 2025
- E-Waste Drive Volunteer, DPS-Modern Indian School, Doha, Qatar, 2023
- Internet Safety Campaign Volunteer, DPS-Modern Indian School, Doha, Qatar, 2022, 2021

Skills & Abilities

Programming & Robotics

- Block-Based Programming: Pictoblox, Scratch, Microsoft MakeCode Arcade, MIT App Inventor
- Robotics & Simulations: Tinkercad, 3D Slash, Blender
- Drone Technology: DroneBlocks (Tello EDU), DroneBlocks Simulator

Digital Tools & Media

- Video Editing: Wondershare Filmora X, Canva, Loom, Stopmotion
- Presentation Tools: Microsoft PowerPoint, Nearpod, Piktochart, Prezi

Educational Strategies

- Gamification Platforms: Quizizz, Kahoot, Gimkit, Jeopardy Labs, Bamboozle
- Blended & Online Learning: Google Classroom, Edmodo
- Learning Analytics: Using data to track and improve student engagement and performance

Emerging Technologies

- AI Integration: Incorporating AI-driven tools into curriculum design
- Digital Transformation: Driving adoption of modern ICT practices in education
- 21st-Century Skills Development: Fostering critical thinking, collaboration, and creativity through hands-on projects