



SHAFEEDA M.M

STEM Teacher



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Dubai

PROFESSIONAL SUMMARY

Dynamic Robotics Teacher at PACE International School, and a **STEM.org Certified STEM Educator**, with a proven track record of designing and delivering innovative, hands-on STEM curricula. Highly skilled in integrating robotics, coding, and engineering concepts into engaging, student-centered learning experiences that promote critical thinking, collaboration, and problem-solving.

Experienced in mentoring and coaching students for robotics and STEM competitions, fostering creativity, resilience, and a growth mindset. Proficient in multiple programming languages and educational technologies, with a strong commitment to holistic education and the development of future-ready skills.

EXPERIENCE

PACE INTERNATIONAL SCHOOL

Sharjah

Oct 2023 - Present

Robotics Teacher

- Serve as Class Teacher and Robotics Instructor at Pace International School, a leading CBSE curriculum institution focused on academic excellence and holistic development.
- Design and deliver hands-on LEGO Robotics and STEM curricula for Grades 3–6, integrating coding, engineering, design thinking, and problem-solving aligned with STEM.org education standards.
- Create student-centered learning environments that promote innovation, collaboration, critical thinking, and real-world application of STEM concepts.
- Mentor and coach students for robotics competitions and project-based learning, fostering creativity, resilience, and a growth mindset.
- Integrate robotics into cross-curricular activities to strengthen STEM learning and practical application across subjects.
- Manage end-to-end classroom responsibilities, including lesson planning, assessments, classroom management, and maintaining an inclusive, positive learning environment.
- Build strong relationships with students, parents, and staff to support academic progress and socio-emotional development.

Online

Nov 2022 - Jun 2023

Tutor

- Tutor students in coding and software development, providing hands-on instruction in C, C++, Java, HTML, PHP, and related technologies.
- Deliver high school-level instruction in Physics, Chemistry, Biology, and Computer Science, ensuring strong conceptual understanding across subjects.
- Emphasize real-world application through debugging exercises, project-based learning, and algorithmic problem-solving.
- Provide personalized study plans, exam preparation strategies, and performance-focused guidance to improve academic outcomes.

REGIONAL TECHNOLOGIES

Jul 2018 - Feb 2019

Software Intern

- Developed dynamic web applications using **PHP, HTML, CSS, and JavaScript** with clean, maintainable code.
- Built and optimized back-end components for seamless integration and performance.

- Collaborated on planning, debugging, and workflow improvements to enhance application reliability.

EDUCATION

LBS COLLEGE OF ENGINEERING

Mar 2018

BTECH in INFORMATION TECHNOLOGY

GPA: 6.5

CERTIFICATIONS

- STEM.ORG CERTIFIED EDUCATIONAL INSTRUCTOR

TECHNICAL & EDUCATIONAL SKILLS

Programming Languages: C, C++, Java, Python

Databases: MySQL

Web Technologies: HTML, CSS, JavaScript, Python, PHP

Productivity & Office Tools:

Microsoft Office Suite (Word, Excel, PowerPoint)

- Lesson planning
- Student assessments
- Technical presentations

STEM Education & Pedagogy:

- Strong foundation in STEM education principles
- Inquiry-based and project-based learning (PBL)
- Design thinking and problem-solving methodologies
- Hands-on, experiential learning strategies
- Curriculum planning aligned with STEM standards

Educational Robotics & Makerspace Tools:

- LEGO® Education Mindstorms Kits (9656, 9689)
- LEGO® EV3 (Milestones & Advanced Programming)
- LEGO® SPIKE™ Prime
- littleBits™ Electronics Kits
- Arduino (basic electronics, sensors, actuators)

Simulation & Prototyping Platforms:

- Tinkercad (3D design, electronics simulation)
- Robocodo (robotics learning platform)

Additional Competencies:

- Robotics competition mentoring
- Student project guidance and evaluation
- Integrating coding with real-world STEM applications
- Classroom technology integration

REFERENCE

Upon Request