

Shoaib Mirza

Hobbyist Maker

I have been working with different kinds of technology since I was 5 y/o. I have prioritized tech-based skill development and innovation over everything else including academics.



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WORK EXPERIENCE

Chief Technology Officer (CTO)

The Tech Academy [↗](#)

01/2015 - Present

Dhaka, Bangladesh

A fusion of an academy and an innovation lab. Children learn programming, electronics, and mechanics through a gamified experience.

- My main responsibilities are to give technical support to both Game Development and Robotics curriculum creation at the academy. I also help students create products and solutions for real-world clients as part of the academy's production firm.

Technical Operator and Researcher

Fab Lab IUB [↗](#)

01/2017 - Present

Dhaka, Bangladesh

Fab Lab I U Bangladesh provides fabrication equipment to individuals in order to facilitate further learning, innovation and an environment of growth, adding to the ever-increasing global network of Fab Lab members.

- My main responsibilities are providing support for machine operation and working on different projects in general. Fundamentally, I provide support for all kinds of tech/software related issues.

Team Bangladesh Mentor

FIRST Global Challenge [↗](#)

06/2017 - Present

Dubai, United Arab Emirates

FIRST Global organizes a yearly international robotics challenge to ignite a passion for Science, Technology, Engineering, and Mathematics (STEM) among the more than two billion youths across the world.

- I have been a part of this competition since 2017. In the first two years, I had helped voluntarily; afterward, I had become an official member as the Technical Mentor. My main duties were to help design the robot and provide mechanical training to the team members. I also assisted in building their robot in the 2019 and 2020 challenges.

Researcher

Center for Cognitive Skill Enhancement [↗](#)

11/2016 - Present

Dhaka, Bangladesh

CCSE is a Subproject of HEQEP which aims to improve the quality of education at an undergraduate level using logical reasoning, established research practices, and exploration of new technology.

- My main work here is to collaborate with on-going research projects, and help deal with it's mechanical and electronics side. Along with this, I supervise newcomers, helping them get used to the lab environment.

Founder and Contributor

Processing Forum Facebook Group [↗](#)

01/2015 - Present

This is one of the largest online forums for processing language where engineers, programmers, and artists all around the world share their work, collaborate and seek support from community members.

- I have created the forum 5 years ago in hopes of gathering processing language users into one platform and so far it has worked out very well. I maintain the group by moderating and monitoring posts and providing constant support to community members.

SKILLS

Electronics

Robotics

Mechanics

Programming

3D/2D Design

Fabrication

Game development

ACHIEVEMENTS

Bangladesh first in Robot Olympics

FIRST Global (2020)

on FIRST Global Challenge 2020 (online), I was the official mentor of Team Bangladesh which achieved first place in the ranking among 175 countries

Bangladesh 7th in Robot Olympics

FIRST Global (2019)

on FIRST Global Challenge 2019 at Dubai, I was the official mentor of Team Bangladesh (Bangladesh's official high school team) which achieved 7th in ranking among 189 countries

ORGANIZATIONS

Coca-Cola Bangladesh

Interactive Artwork Project

Janata Internet

IoT billboard project

Studio Bangi

dumbwaiter lift and Bangla Font project

GraphicPeople

Gamification advertising Project

ME SOLshare Ltd.

Signal strength mapping device Project

Nestle Bangladesh

High five class project

Britto Art Trust

Automatic Violin Project

Jute Lab

Jute Sewing Machine Automation Project

INTERESTS

Rubik's Cube

Puzzles

Swimming

Making Robots

Lego

Video Games