Nida Abbas Bandukwala
Student

An enthusiastic computer science student, currently pursuing a bachelor's degree at McMaster University.

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EDUCATION

Bachelor of Applied Science - Honours Computer Science
McMaster University

09/2019 - Present   *Hamilton, ON, Canada*

Core Courses
- Introduction to Computational thinking
- Introduction to Programming
- Engineering Mathematics II-A
- Discrete Mathematics with Applications I
- Principles of Programming
- Engineering Mathematics I
- Computer Science Practice and Experience : Basic concepts
- Engineering Mathematics II-B
- Computer Architecture
- Computer Science Practice and Experience: Software Development Skills

A levels
The Lyceum School

08/2017 - 06/2019   *Karachi, Pakistan*

Courses
- Physics
- Computer Science
- Mathematics

RELEVANT EXPERIENCE

Teacher
The Citizens Foundation

07/2018 - 07/2018   *Karachi,Pakistan*

The Citizens Foundation is a non-profit organisation which focuses on providing education to children in rural areas and urban slums of Pakistan.

Achievements/Tasks
- Managed a classroom with 20+ students from grades 1-4.
- Developed daily agendas with a group of 10+ instructors and volunteers.
- Implemented daily lesson plans for the subjects of Mathematics,English, and Urdu.
- Developed various interactive group activities for sports and arts & crafts.
- Implemented a daily word chart to help students enhance their vocabulary and form sentences in the proper sense.
- Held auditions within the class for a chance to participate in the final school play.
- Worked with a group of 5 teachers to craft various props for the school play.

SKILLS

HTML   CSS   GitHub   Unity   Flask   Java
Bash   Time management   Teamwork
Communication Skills   Microsoft Office suite
Python   Effective classroom management

RELEVANT PROGRAMMING EXPERIENCE

Python
- Developed a program which allows a person to send emails through a single piece of code.
- Created a program to check whether someone's password has ever been hacked.
- Built a program that allows you to merge PDF files.

Haskell
- Developed a module that implements standard operations over Gaussian integers.
- Developed a derivative calculator that also performs minor simplifications on functions.
- Created a practical higher-order function that calculates the value of a definite integral using the trapezoidal rule.

CERTIFICATES

Udemy - Complete C# Unity Game Developer 2D (05/2020 - Present)

Udemy - Complete Python Developer in 2020: Zero to Mastery (12/2019 - 05/2020)

Cogmation Robotics and iKNOWvation Lab - Virtual Robotics workshop (10/2017 - 11/2017)
This workshop allows students to learn how to design robots and work with them in a simulated computer environment.

CO-CURRICULAR ACTIVITIES

Model United Nations IBA (01/2017 - 01/2017)
Participated in a weekend-long MUN conference held at the Institute of Business Administration in Karachi,Pakistan.

LANGUAGES

English
Full Professional Proficiency

Urdu
Native or Bilingual Proficiency

INTERESTS

Reading Art Photography