Usman Ali

New York University Abu Dhabi, Saadiyat Island, Abu Dhabi, UAE | +44 7717 651808 | ua383@nyu.edu

EDUCATION

NEW YORK UNIVERSITY ABU DHABI (NYUAD)

B.S in Computer Science
Expected May 2022 | Abu Dhabi, UAE
Official GPA: 3.96 / 4.0
Minors: Economics, Maths
Study Away: NYU Tisch, NYU London

SUPERNOVA COLLEGE

Grad. May 2017 | Islamabad, Pakistan
Cambridge GSCE A Levels, ranked 1st in class of 226
Major GPA: 4.0 / 4.0

LINKS

LinkedIn:// **usman-ali**
Facebook:// **Usman.Irshad15**
Instagram:// **@usman.ali_arshi**

COURSEWORK

Data Structures
Algorithms
Computer System Organisations
Discrete Maths
Intro to Computer Science
Calculus: Applications to Science and Engineering
Linear Algebra
International Economics
Utilitas Venustus Firmitas (Design Core)
Sustainable Development

SKILLS

PROGRAMMING

Python · C · C++ · JavaScript
HTML · Assembly · CSS · LaTeX

LANGAUGES

English · Urdu · Punjabi · Hindi

HOBBIES AND INTERESTS

Photography · Violin· Vlogging · Dancing · Acting

AWARDS

• Cambridge AICE Diploma: Distinction
• Cambridge Learner Awards: "Best Across Five A Levels Subjects" in North Pakistan

PROGRAMMING PROJECTS

SET PRICE & CHILL | Software Architect

March 2020 - Present
- Create websites and user interfaces, using standard HTML/CSS practices,while incorporating data from back-end databases and services.
- Create and maintain workflows with CEO to provide visibility and to ensure workload balance for consistent visual designs

S.M.A.R.T LAB RESEARCH PROJECT | Research Assistant

November 2019 - Present
- Incorporate virtual reality in a construction-based game to educate workers about potential hazards and risks.
- Perform literature review and data collection of the published research work in the application of artificial intelligence in construction industry.

NYUAD DINING CENTRAL (HACKAD) | Web Developer

November 2019
- Designed a website to provide easy access to the daily menu and ingredients of each dish in the dinning hall.
- Built MealSwiping feature so excess meal swipes can be shared.
- Used Html, CSS and JavaScript.

ZOOM | Game Developer

November 2018 - December 2018
- Developed a Police-chasing car simulation using Python. Incorporated graphics using Processing.
- Implemented Mario game's collision theory along with the draw loop to give the illusion of user's constant mobility through the levels.

LEADERSHIP AND COMMUNITY INVOLVEMENT

ATTITUDE DANCE CLUB | President

December 2018 - Present | Abu Dhabi, UAE
- Collaborated with Special Olympics to supervise a workshop for people of determination, attended by 40 special-needs participants.
- Revamped club's administrative structure and event management, increasing student participation by 200% and resulting in largest club event with an attendance of 500.

NYUAD OFFICE OF STUDENT LIFE | Reimbursement Intern

January 2019 - January 2020 | Abu Dhabi, UAE
- Worked as a mediator between student body and administration by dealing with event and budget requests for Programming events.
- Audited expenditure by SIGs (Student Interest Groups) through managing records in excel sheets

REALITY SHOW NYUAD (REALAD) | Actor and Content Writer

June 2019 – September 2019 | New York, NY
- Created and performed in a musical theater that depicted the various paradoxes and complexities of life at NYUAD.
- Authored and choreographed songs and sketches which dealt with topics including, but not limited to, homesickness, mental health and academic issues

MEHARBAAN (NON-PROFIT ORGANIZATION) | Founder

August 2015 - Present | Islamabad, Pakistan
- Organized several events for underprivileged children at orphanages with attendance up to 350.
- Executed a city-wide fundraising campaign and collected over $3500.