

## **IQBAL HUSSAIN**

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### **BACHELOR OF MEDICINE AND BACHELOR OF SURGERY-M.B.B.S.**

April - 2019

Khyber Medical University Peshawar, Pakistan

### **ARTIFICIAL INTELLIGENCE TECHNOLOGY RESEARCH TO STREAMLINE HEALTHCARE ASSIGNMENTS**

I am passionate about clinical informatics, and in the current age of artificial intelligence, I spearheaded an AI research project at Penn State University using OpenAI to revolutionize clinical documentation. Our focus is on streamlining healthcare workflows by automating ICD code assignments. This experience fuels my commitment to innovative patient care solutions and inspires me to contribute to the significant issue of physician burnout by implying artificial intelligence.

### **RELATED EXPERIENCE**

#### **UNITED STATES CLINICAL EXPERIENCE**

3 – Months

#### **Jersey Shore Medical University, Integris Baptist Hospital, Oklahoma Heart Hospital**

Actively participated in patient care, performing evaluations and interpreting diagnostic tests, and gained valuable insights into the diagnosis and management of diverse clinical cases. Gained valuable experience through daily rounds on patients, taking histories, assessing physical examinations and utilized EMR.

#### **INTERNSHIP/HOUSE JOB**

May 2019 - July 2020

#### **Government Lady Reading Hospital Peshawar, Pakistan**

Clinical Rotations in; Internal Medicine, CCU, Pediatrics, General Surgery and Vascular Surgery

#### **LEADERSHIP FELLOW OF THE U.S. DEPARTMENT OF STATE**

2022- 2023

Selected as a young influential leader and Exchange ambassador of Pakistan along with 142 global civil society leaders from over 100 countries, implemented by **IREX**(international research and exchange board). Raised funds and wrote grants for uninsured communities in the United States.

#### **PRACTICUM INTERNSHIP**

CAIR – Oklahoma; conducting educational workshops for immigrant communities, mobilize partners and collaborators to advance health equity and address social determinants of health in minorities and refugees.

### **VOLUNTEERING**

#### **CAIR, YMCA, Catholic Charities and Spero at Oklahoma U.S.A.**

April – 2023

Health Disparities, Education and fundraising in minorities and refugees in Oklahoma City U.S.A.

## **Merlin International**

March – 2015

Provide educational courses to local residents on disease prevention and upbringing the deprived communities

## **Detroit & Oklahoma State**

2023

As a global leader, in Detroit, contributed expertise and support to local communities, and with a regional food bank in Oklahoma to provide meals for homeless and senior citizens.

## **CERTIFICATES, AWARDS**

- Graduation from U.S. Department of State in Leadership fellowship, implemented by IREX- International Research and Exchange Board.
- Got 6.5 Continuing Education Units from George Mason University by completing the required course of Civic Engagement and leadership academy.
- Alumni of Community Engagement Exchange Program.
- Member of Pakistan- U.S Alumni Network.
- Executive Officer Ra'na Child Welfare Foundation.
- Awarded by Dr. Deidre Combs for Thriving Through Times.
- Selection committee member of reviewing application for the Community Solution Program of the Bereu and cultural Affairs of the U.S. State Department
- Exchange and Cultural Ambassador of Pakistan.
- Best CR-Class Representative Awardee.
- President of Blood Donation Society.
- Chief Organizer of Annual Sports Gala 2017.
- Best organizer awardee of Cultural Festival Bannu Medical College.
- Best performance awardee as a President of Blood Donation Society.
- Literary Secretary of Literary Society Bannu Medical College.
- Co-Founder of Tele Medicine Help Desk in COVID19 Pandemic at Lady Reading Hospital, Peshawar.
- Best House Officer (Internee) award.
- Best Pandemic Response Team Leader
- BLS/ First- Aid Sept – 2022 American Heart Association.

## **PUBLICATIONS:**

- Arterial Tortuosity Syndrome: Unraveling a Rare Vascular Disorder.
- Intravascular Lobular Capillary Hemangioma: A Comprehensive Scoping Review.
- Unraveling the Complexity of Apert Syndrome: Genetics, Clinical Insights, and Future Frontiers.
- Post-Cardiac Injury Syndrome after Cardiac Surgery.
- Cardiovascular Effects of Long-duration Space Flight.

## **OTHER EXPERIENCES**

### **1. High level political forum of the United Nations**

The High Level Political Forum 2023 of the United Nations focused on the theme of "Accelerating the recoveries from COVID-19 and the full implementation of the 2030 agenda for sustainable development at all levels". I attended the High Level Political Forum as an exchange alumnus of the International Research and Exchange Board. Engaged and interacted in discussions related to sustainable development, policy, and global cooperation. Build connections with other fellow attendees, exchange alumni, and engage representatives from various sectors, which will foster potential collaborations for future initiatives.

Advocated for the importance of international exchanges and cross-continental cooperation as essential components of global efforts to achieve the sustainable development goals of quality health care and education. I provided summaries and reports on key sessions, discussions, and outcomes to my organizations and stakeholders representing my country Pakistan

## **2. Leadership Fellow at United States Department of State**

I was handpicked from the far reaches of the world—a mere 142 global leaders from over 100 countries—by the U.S. state department for leadership fellowship. My focus was centered on addressing the critical health disparities affecting immigrants, refugees, and marginalized communities in Oklahoma State. Engaged with nonprofit organizations such as Spero, Catholic charities, CAIR, and NSO clinics in orchestrating fund-raising for uninsured communities. Spearheaded an impactful project by crafting video podcasts for health awareness in the native language of Afghan refugees on malnutrition, infant mortality, emphasizing hygiene practices, obesity, hypertension, and diabetes mellitus. This linguistic fusion erased barriers, bringing forth a wave of vital health awareness. Committed to creating a lasting impact on healthcare accessibility and community well-being in underserved areas.

## **3. Literary Secretary**

I had the privilege of being the literary secretary of the literary society at my college. The society aims to foster a love for language, enhance literary creativity, and provide an avenue for self-expression beyond the academic curriculum. Assigned various segments to dedicated chief secretaries who possessed relevant background experiences. Arranged cultural nights, which provided a platform for students to showcase their talents and the richness of diverse cultures. Organized cultural festivals and sports galas, which fostered a sense of unity and shared appreciation for creativity. We collaboratively led to the creation of the college's annual magazine—a testament to the year's literary and artistic endeavors

## **4. Volunteering**

My volunteer journey spans education, healthcare, and community support, where I showcased the power of volunteering to create positive change. Teach village children, addressing the absence of a girls' school, and now, as the founder of this organization I am empowering them through education. In medical college, I served as president of the blood donation society and organized free medical camps in rural areas. During the COVID-19 pandemic, I established a telemedicine help desk, offering online treatment, follow-up care, and mental health sessions. As a global leader, in Detroit, contributed expertise and support to local communities, and with a regional food bank in Oklahoma to provide meals for homeless and senior citizens.

## **5. Hobby**

Setting out on my hobby of travel, I have had an incredible journey filled with unforgettable moments. The people I met during my travels had a profound impact on my experience because I had the opportunity to connect with individuals from different backgrounds that lasted a lifetime. From the breathtaking scenic mountains of northern Pakistan to the crystal-clear sea of Charna Island, my adventures have been a whirlwind of excitement and exploration. I explore the opportunity of hiking in the Himalaya Mountains and cliff jumping and scuba diving in the islands of the Arabian Sea. My travels to Dubai's Expo 2020 welcomed me to experience a world of cultures and innovations, while in Global Village I got to taste international flavors and traditions. Along the way, I've met fellow travelers and immersed myself in the rich stories of people and places.