Irfan Syed

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Full-Stack Developer with 6+ year experience converting thoughts to practical shape using many programming languages, Irfan Syed love easy things and love to make things easy for others without caring it's difficult or impossible for him with this passion he found programming languages is the best platform to provide easiness

EXPERIENCE

Center for Disaster Preparedness and Management CDPM —
Software Engineer

Jan 2020 – PRESENT, University of Peshawar, Peshawar Pakistan http://www.uop.edu.pk/

Working as a software engineer in Mobilise collaborative multi-agency platform for building resilient communities for Pakistan, Malaysia, and Srilanka with collaboration in Salford university UK

Responsibility

- Coordination with Salford University Research team, Pakistan, Malaysia, Srilanka DDR team understand user requirements & ensuring project meets the requirement
- Managing Cloud server, server deployment, Database management
- Developing Mobile application extension for Digital Platform
- Helping Stack holder to understand the upgradations

Aga Khan University Hospital — *Programmer Analyst*

Jan 2017 – PRESENT, Karachi Pakistan https://www.aku.edu/

Working on Research projects to improve the health of maternal & child across the globe, funded by Bill & Melinda Gates, Grand challenges, GAVI, USAID, SickKids

Responsibilities

- Coordination with Researchers, Public health Scientist, Data Scientist to ensure project protocols and data collection tools meet project's needs, statistical and scientifically
- Developing intelligent mobile applications for data collection, Adaptive learning & Monitoring
- Developing Web applications to monitor data collection & ensure data quality
- Developed mobile android apps for citizens of underdeveloped countries to efficiently locate all health services within their immediate location.
- Ensure the data integrity of research projects and provide supervision for data quality, data management, and cleaning

Most Proud of

- Developed Intelligent Web application for automation of data collection, Data cleaning & Data Analysis
- Developed AI-based application to record caregiver & vaccinator conversation(Urdu) at EPIcenter and convert it to digital Data using Speech to Text

SKILLS

Java

Android

React Native

.Net

JavaScript

Python

C/C++

MSSQL

Firebase

MongoDB

Google Cloud

Google Maps

Speech to text

HMTL/CSS

Bootstrap

CERTIFICATIONS

PHC Global — *Technical Consultant*

March 2019 – December 2019, Karachi Pakistan https://www.phcglobal.org/

Develop technical aspects of the company's strategy to ensure alignment with its business goals. Discovering and implementation of new technologies that yield a competitive advantage. Helping departments use technology profitably. Supervising system infrastructure to ensure functionality and efficiency

Building quality assurance and data protection processes Monitoring KPIs and IT budgets to assess technological performance

Next Generation Circle — Full Stack Developer

Mar 2013 – Dec 2016, Peshawar Pakistan https://www.nextgcircle.com/

Responsibilities

- Lead Admission & examination module of the educational enterprise resource planning (ERP)
- lead examination management information system (EMIS) implemented in Bacha Khan University Charssada
- Developed shipment & delivery management system for courier company

EDUCATION

University of Peshawar — *MS-Computer Science*

Jan 2020 – Progress http://www.uop.edu.pk/

University of Peshawar — *BS-Computer Science*

Jun 2011 – April 2016 http://www.uop.edu.pk/

Islamia College Peshawar — *FCS-Computer Science*

Jun 2009 – April 2011 https://www.icp.edu.pk/

PROJECTS GLIMPSE

Mobilise 2020

MOBILISE project, funded by the Global Challenges Research Fund (GCRF) in the UK, is developing a digital infrastructure that can offer intelligence to a range of agencies to work together to reduce the impact of natural disasters on communities. https://mobilise-pakistan.org/

MasoomCare 2019 – Web & Mobile App

Developed a structured speech recognition AI platform to collect and record information from caregivers bringing their children to EPI vaccination centers, and extract data from the caregiver & vaccinator episode. This project was founded by GAVI

LATOON 2019 – Web & Mobile App

Developed Intelligent Web application for automation of data collection, Data cleaning & Data Analysis,
This is an advanced form of Kobo toolbox(ODK)

House Hold Baseline 2019 – Web & Mobile App

This studied was initiated in 14 districts of Pakistan to find out the reason for neonatal & maternal deaths under the supervision of the University of Manitoba and Bill & Malinda gats foundation

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Quantitative Research Analysis
CMIE Aga Khan University Karachi, 2019

Analyzing data using Python
Johns Hopkins University Dubai, 2018

Web development in Node.Js
Udemy 2018

WORKSHOPS & SEMINARS

AI in HealthCare
USAID Zanzibar Tanzania, 2019

Qualitative Research Methodology
CMIE Aga Khan University Karachi, 2018

Google IO
Habib University Karachi, 2019

Technology & Healthcare
CCIT CMIE Aga Khan University Karachi, 2018

CCIT hackathon
CCIT CMIE Aga Khan University Karachi, 2018

Health Facility Assessment 2019 –Web & Mobile App

This is studied was initiated in 4 countries Afghanistan, Pakistan, Tajikistan & Tanzania to find out what are the reason for maternal deaths in public health facility this project was founded by Great Grand challenges

National Nutritional Survey 2018 –Web & Mobile App

This project began under the joint collaboration of The Aga Khan University with the Ministry of National Health Services Pakistan, UK Aid, UNICEF, PCRWR, and PBS. The data was collected across Pakistan

LEAPS Scale Up (Learning and Educational Achievements in Pakistan Schools)

This project begins and currently working in most of the cities of Pakistan. It was initiated under the collaboration with HARVARD Kennedy School and The Aga Khan University.

VASA Study 2018 –Web & Mobile App

A verbal/social autopsy study to improve estimates of the causes and determinants of stillbirths, neonatal, child adolescents and maternal mortality in Pakistan was conducted under the collaboration with John Hopkins University and The Aga Khan University

DSS-Census 2017–Web & Mobile App

Demographic Surveillance System-Census is currently working in Karachi, Pakistan and will work for more than 10Years. It's an intended The Aga Khan University project working under joint collaboration with Bill Gates Foundation.

Willows Impact Evaluation-Line Listing 2017 –Web & Mobile App

This study is being conducted in collaboration with the RIPS at the University of Ghana, The Aga Khan University in Pakistan, The Kilimanjaro Christian Medical University College in Tanzania and Bahçeşehir University in Turkey.

Examination Management Information System(EMIS)

CDPM-UOP & BACHA KHAN University 2016

MIS for University Examination Section to manage functionalities related to examination conducting, secrecy managing, affiliated institute supervising, hall assignment, date sheet creation, bill management, marks manipulation and generating various kinds of reports in the form of summaries, detailed marks certificates, and degrees. In summary,

ODCTMIS

ODCTMIS is a training MIS that is developed for United Nation of Drugs and Crime (UNODC) country office. The MIS is a web platform that automate the training procedure with a limited Learning Management System (LMS).

NEWS HUNT

Newshunt is a News-aggregator. News Aggregation is a concept whereby news are collected from different sources and displayed on one page. Flipboard, Google's Newsstand, NewsHub etc are News-aggregators. News-Aggregation is a catching up trend—because for a customer, frequently visiting many separate news websites to read latest news—takes a long time. Newhunt is more than just a news aggregator. It has been orchestrated to function like a specialized "personal e-newspaper" for each of its customers. The live demo is available on www.newshunt.io