

# Mohammad Faisal

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## education

### **Institute of Management Sciences, Peshawar Pakistan**

**2011 - 2015**

Bachelor of Computer Science

*Calculus, Programming, Data Structures, Algorithms, Data Communication, ICT, Artificial Intelligence, Expert Systems, Theory of Automata, Numerical Analysis, Web Engineering, Digital Logic Design, Computer Organization and Assembly Language, Cryptography, Human Computer Interaction*

### **Professionals' Academy of Commerce (PAC)**

**2009 - 2011**

Certified Accounting Technician (CAT)

*Financial Accounting, Cost Accounting, Taxation, Managing People and Systems*

### **Sultan Shahabuddin Ghorri High School**

**2008**

Baccalaureate (Class 12 – High School)

## interests

Cybersecurity, digital forensics, botnets, computer science education, distance learning, collaborative learning, computer-assisted instruction.

## experience

**Afghanistan Agricultural Inputs Project (AAIP) – World Bank – Ministry of Agriculture, Irrigation and Livestock**

**Sep 2017 - Present**

*Database Developer*

### **Salam university**

**March 2017 - Present**

*Computer Science Lecturer (Part-Time)*

### **Maryam University**

**June 2017 – Dec 2017**

*Computer Science Lecturer (Part-Time)*

### **Humanitarian Assistance & Development Association for Afghanistan (HADAAF)**

**March 2015 – August 2017**

*Database Developer*

### **Basecamp, Peshawar, Pakistan**

**January 2013 – February 2015**

*Database/Web Developer*

## languages

C, C++, C#, CSS, HTML, Java, JavaScript, Swift, PHP, SQL, Python, XML. English, Dari, Pashto, Urdu, French, Arabic.

## skills and tools

laravel, vue.js, jquery, ajax, shell scripting, asp.net, sqlserver, scratch

## Databases Developed

- Contract Management System
- Seed Distribution to farmers with QR Code scanning
- Employee Record Management System
- Training Database
- A database to manage library for Institute of Management Sciences
- A database for retrieving students' info using RFID cards

## courses

### **Computer Science 50: Introduction to Computer Science I (Online)**

**2014**

*Harvard University*

Introduction to the intellectual enterprises of computer science and the art of programming. This course taught me how to think algorithmically and solve problems efficiently. Topics included abstraction, algorithms, data structures, encapsulation, resource management, security, software engineering, and web development. Languages included C, PHP, and JavaScript plus SQL, CSS, and HTML. Problem sets were inspired by real-world domains of biology, cryptography, finance, forensics, and gaming. Designed for concentrators and non-concentrators alike, with or without prior programming experience.

## **CS50 Computer Science for Business Leaders (Online)**

2015

*Harvard University*

This course was a variant of Harvard College's introduction to computer science, CS50, designed especially for manager. Whereas CS50 itself took a bottom-up approach, emphasizing mastery of low-level concepts and implementation details thereof, this course took a top-down approach, emphasizing mastery of high-level concepts and design decisions related thereto. Through a mix of technical instruction, discussion of case studies, and weekly programming projects, this course empowered us to make technological decisions even if not technologists themselves. Topics includes cloud computing, networking, privacy, scalability, security, and more, with a particular emphasis on web and mobile technologies.

## **Computer Science E-1: Understanding Computers and the Internet (Online)**

2015

*Harvard Extension School*

This course was all about understanding: understanding what's going on inside your computer when you flip on the switch, why tech support has you constantly rebooting your computer, how everything you do on the Internet can be watched by others, and how your computer can become infected with a worm just by being turned on.

## **Computer Science E-75: Building Dynamic Websites (Online)**

2015

*Harvard Extension School*

Today's websites are increasingly dynamic. Pages are no longer static HTML files but instead generated by scripts and database calls. User interfaces are more seamless, with technologies like Ajax replacing traditional page reloads. This course teaches students how to build dynamic websites with Ajax and with Linux, Apache, MySQL, and PHP (LAMP), one of today's most popular frameworks. Students learn how to set up domain names with DNS, how to structure pages with XHTML and CSS, how to program in JavaScript and PHP, how to configure Apache and MySQL, how to design and query databases with SQL, how to use Ajax with both XML and JSON, and how to build mashups. The course explores issues of security, scalability, and cross-browser support and also discusses enterprise-level deployments of websites, including third-party hosting, virtualization, colocation in data centers, firewalling, and load-balancing.

### *Achievements*

- Delivered a 2-day lecture on web development and its best practices to Computer Science and Software Engineering senior students at Institute of Management Sciences
- IELTS 7.5 Bands
- A+ Grade in final year project

### *references*

Enayatullah Ayubi, HR Specialist, AAIP/MAIL  
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