



Muhammad Umer Farooq
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Muhammad Umer Farooq

MS in Computer Science(Equivalent to M. Phil)

Education

2016 - 2018, National University of Computer and Emerging Sciences (NUCES-FAST) Islamabad Campus

MS in Computer Science (CGPA: 3.24/4.00)

- Advanced Computer Architecture
- Machine Learning
- Thesis in Green Computing
- Advanced Operating System
- Computational Intelligence
- AIM lab Experience

2011 - 2015, The Islamia University of Bahawalpur (IUB)

BS in Computer Science(CGPA: 3.26/4.00)

- Artificial Intelligence
- Database System
- Project in Android development
- Object Oriented Programming
- Web Programming
- Managerial Experience

2009 - 2010, BISE BWP

Fsc in Science

- Mathematics
- Chemistry
- Physics
- Biology

2003 - 2004, BISE BWP

Matric in Science

- Mathematics
- Chemistry
- Physics
- Biology

2007, WIFAQ, MULTAN

HIFZ-E-QURAN (80/100)

Teaching Experience(Total: 3 year 1 month)

26-10-2020 - 15-02-2021, Visiting Lecturer, CUVAS BWP

Teaching Responsibilities:

- BS(CS) PROGRAMMING FUNDAMENTALS

15-02-2021-Continue, Freelance Venue Staff, British Council

Responsibilities:

- IELTS EXAMINATION DEPTT.

26-10-2019 - 31-10-2020, Lecturer, Shahida Islam Medical Complex(1 year 6 days)

Teaching Responsibilities:

- DPT INTRO. TO COMPUTER
- Post Rn INTRO. TO COMPUTER
- CNA COMPUTER SKILLS

15-Feb-2020 - Present, Visiting Lecturer, NCBAE(7 months)

Teaching Responsibilities:

- Bs(CS) 6th Semester MOBILE APP & DEV
- Bs(CS) 4th Semester MOBILE APP & DEV
- Mcs 3rd Semester MOBILE APP & DEV
- MCS 4th Semester MOBILE APP & DEV

16-04-2019 - Present, Lecturer, GLIMS institute of Modern Studies(1 year 6 months)

Teaching Responsibilities:

- Bs(CS) 2nd Semester OBJECT ORIENTED PROGRAMMING
- Bs(CS) 4th Semester DATABASE MANAGMENT SYSTEM
- Bs(CS) 6th Semester ARTIFITIAL INTELLIGENCE
- MCS 4th Semester ARTIFITIAL INTELLIGENCE

01-07-2015 to 30-08-2016, *Lecturer, The City College Bahawal pur*(1 year 2 months)

Teaching Responsibilities:

- Msc Courses DATABASE, C++, JAVA, INTRO. TO COMPUTER:
- Bsc Courses ALL COMPUTER:
- Short Courses OFFICE, ANDROID, C++:
- Lab Administrator HARDWARE INSTALLATION:

Research Experience(Total: 1 year 10 days)

01-Jan-2018 - 10-Jan-2019, *Research Assistant, NUCES-FAST Islamabad*

Detailed achievements:

- Green Computing FOR ANDROID DEVELOPERS, FOR DESKTOP APPLICATION:
- MELMA: METHOD LEVEL ENERGY ESTIMATION METHODOLOGY FOR ANDROID
- Shell Sort OPTIMAL GAP SEQUENCE FOR SHELL SORT ON THE BASIS OF ENERGY CONSUMPTION
- Research Articles PAPER ACCEPTED IN INTERNATIONAL CONFERENCE
- Research Articles PAPER SUBMITTED IN INTERNATIONAL JOURNAL

Research Publication and Thesis

Published Research

- **M. U. Farooq**, S. U. Rehman Khan and M. O. Beg, "MELTA: A Method Level Energy Estimation Technique for Android Development," 2019 International Conference on Innovative Computing (ICIC), Lahore, Pakistan, 2019, pp. 1-10, doi: 10.1109/ICIC48496.2019.8966712.
- S. u. R. Khan, **M. U. Farooq** and M. O. Beg, "BigData Analysis of Stack Overflow for Energy Consumption of Android Framework," 2019 International Conference on Innovative Computing (ICIC), Lahore, Pakistan, 2019, pp. 1-9, doi: 10.1109/ICIC48496.2019.8966682.

Accepted Research

- **Muhamamd O. Farooq** and Dr. Mirza Omer Baig "MELMA: A Method Level Energy Estimation Methodology for Android", 2019 8th International Conference on Smart Cities and Green ICT Systems SmartGreens, Heraklion, Crete, Greece.

Submitted Research

- **Farooq O. Muhammad** and Dr. Mirza Baig "Choose optimal gap sequence of Shell Sort on the basis of Energy Consumption", submitted in IJGC 2020 2.095 Impact Factor.
- **Muhamamd U. Farooq** and Dr. Mirza Omer Baig "Software Level Power Profiler Different Level of Android Application", submitted in IJGC 2.095 Impact Factor.
- **O. Farooq**, Rehman U and Dr. Mirza Omer Baig "Prediction In different Social Choice On the base of partial available data", Submitted in RAUSP Journal.

Semester Research

- **O. Farooq**, Dr. Hassan Mujtaba "Diagnose Brain Tumor through MRI by using different Image Processing Techniques", 2018 Semester Project Machine Learning pp 1-8.
- **O. Farooq**, Saif U Rehman Khan, Dr. Omer Beg "Diagnose Brain Tumor through MRI by using different Image Processing Techniques", Semester Project Machine Learning pp 1-4.

Development Experience(Total: 10 month)

Jun 2014 - Oct 2014, *Android Developer, Developer*

CAS Software house in Android Mobile Application development at Bahawal pur

Software Development Skills

Programming

- C++
- Python
- Java
- PHP
- Latex
- HTML

Tool and Technologies

- Visual Studio
- Android Studio
- Eclipse
- DevC++
- TurboC

Awards

Computer Software

- Took shield in Coding Competition of Java/C++ in UCET 3rd position in Coding crusder (7th Jan 2013)
- Participated in Coding competition of Java/C++ at Expo Center Lahore 2013

Other

- Took prize in stage performance at Moon System of Education.
- Participated in debate competition at Abbasia Higher secondary School.

Development Projects

Android

Six Application On play store

- SMS CLEANER
- HIZBUL AZAM
- GAME BUBBLE
- FLASHLIGHT
- CALCULATOR
- ANMOOL MOTI

Java

Two complete Project

- SHOP DATABASE
- SEMESTER PROJECT

C++

Three Semester Level project

- ATM REPLICA
- AGE CALCULATOR
- PIANO
- ML ASSIGNMENT

Python

Artificial Intelligence based project

Latex

Journal and Conference template

Interests

Professional

Android, C++

Personal

Book Reading

Communication Skills

- Urdu (Excellent)
- English (Fluent)

Reference

Dr. Mirza Omer Beg Assistant Professor (NUCES-FAST) ISLAMABAD Campus
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Dr. Hasan Mujtaba Associate Professor (NUCES-FAST) ISLAMABAD Campus
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