

# Abdul Mateen

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Official URL: [pucit.edu.pk/department-of-computer-science](http://pucit.edu.pk/department-of-computer-science)

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## Objective

Committed and enthusiastic educator dedicated to cultivating a positive and inclusive learning atmosphere. Eager to secure a teaching role where I can apply my teaching expertise in computing to motivate and uplift students. Striving to develop a dynamic curriculum that accommodates various learning preferences, stimulates critical thinking, and instills a lasting passion for learning. Devoted to nurturing both the academic and personal development of students, while actively participating in the collaborative ethos of the department/organization.

## Qualification

### PhD (Computer Science) in progress

- Department of Computer Science, University of the Punjab. Research areas are NLP, Machine Learning, and Computer Vision.

### MS (Computer Science)

- University of Management and Technology, Lahore (UMT)

### MSc (Computer Science)

- Punjab University College of Information Technology, Lahore (PUCIT), University of the Punjab

## Training Areas

- Programming Fundamentals C++, Java, Python
- Object Oriented Programming c++, Java, Python
- Data Structures & Algorithm Analysis c++, Java
- Database Systems
- Algorithm Analysis & Design
- Operating Systems
- Web Programming Java

## Workshops Attended

- Data Science in Practice
- Applied Machine Learning
- Intensive Teachers Training Program held in LUMS under HEC
- Workshop on Fuzzy Logic held in LUMS
- Workshop on Speech Processing held in NU-Fast

## Development

### ▪ **Quiz Competition Management System**

Software prepared for handling quiz competitions held in PUCIT. Application based on Client-Server architecture constructed using Java RMI technology. MS Access is used for database management. Software is deployed in the departmental quiz competition event and successfully executed till the end of the event.

### ▪ **Image Compression Using Neural Network**

Worked on image compression in final year project and developed an application

## Professional Experience

### Teaching Experience

#### ▪ **Permanent Faculty Member** (Fall 2006 to onwards)

##### **Department of Computer Science, University of the Punjab**

Taught data structures & algorithm analysis, object oriented programming, Programming fundamentals, operating systems, artificial intelligence, and web programming

#### ▪ **Visiting Faculty Member** (Four Semesters)

##### **Department of Space Science, University of the Punjab**

Taught database systems & programming fundamentals

#### ▪ **Visiting Faculty Member** (Three Semesters)

##### **Institute of Business and Information Technology, University of the Punjab**

Taught programming fundamentals, object oriented programming and web programming

#### ▪ **Visiting Faculty Member** (One Semester)

##### **Earth and Environmental Sciences, University of the Punjab**

Taught programming fundamentals

#### ▪ **Visiting Faculty Member** (Three Semesters)

##### **Pak Aims University**

Taught artificial intelligence, algorithm analysis and operating systems

#### ▪ **Visiting Faculty Member** (Three Semesters)

##### **University of Management and Technology**

Taught artificial intelligence and computer graphics

#### ▪ **Visiting Faculty Member** (Three Semesters)

##### **University of Central Punjab**

Taught programming fundamentals, object oriented programming, and data structures and algorithm analysis

## **Project & Thesis Supervision**

### **- MS (Computer Science)**

- ❖ Sentence Extraction from Document Repository Avoiding Duplicates
- ❖ Skeleton Animation using Hand Gestures

### **- BS (Computer Science)**

- ❖ Fatwa Search Engine
- ❖ NLP based Arabic Grammar Tutorial
- ❖ Basic Arabic Tutor for Urdu Users
- ❖ Quran Synonym Compilation for Android Devices
- ❖ Voice Controller for Android Devices
- ❖ Questioning Answering System in Quran Hadith with Urdu Language
- ❖ 3D Model of Caravan Vehicle
- ❖ Soft Technique for Learning of Elementary Mathematics
- ❖ Image Enhancement in Rain, Fog and Night Times on Highways for Accident Avoidance
- ❖ Image Rectification Exploration and analysis
- ❖ Content Management System for University
- ❖ Final Year Project Automation System
- ❖ En Route Pakistan
- ❖ Improving social networking through GPS
- ❖ Online Hotel Booking Web Application
- ❖ Web Portal ABC for Kids
- ❖ Quote Validation Tool for Urdu Scripts
- ❖ Hadith Chain Narrator Extractor and Analyzer
- ❖ Survey of Mobile Solution for Education Institutions
- ❖ Efficiency of sharing multimedia files over GSM
- ❖ Roman Urdu Sentiment Analysis
- ❖ Day Care Management System
- ❖ Wedding Arrangement Portal

## **Programming Competition Achievements**

I am coaching students for competitive programming. We participate in major programming competitions all over Pakistan. Here, I am sharing some achievements:

- ❖ first position in NUST Islamabad
- ❖ first position in debug competition in Fast Islamabad
- ❖ second position in speed programming in Fast Islamabad
- ❖ first position in speed programming GCU Lahore
- ❖ first three positions in International Islamic University, Islamabad
- ❖ first three positions in International Islamic University, Islamabad

- ❖ third position twice in ICPC Pakistan regional competition
- ❖ first three positions in LUMS
- ❖ top eight positions in GIKI except second position
- ❖ first and second position in NAMAL University
- ❖ first position programming competition in X-pert cup
- ❖ first two positions in speed programming at Comsats Wah Cantt
- ❖ first position in debugging competition at Comsats Wah Cantt
- ❖ first and second position in programming competition at Gujrat University
- ❖ second position in debugging competition at Gujrat University
- ❖ second and third position in Geek Weak at Fast Lahore
- ❖ first position in debugging competition at Fast Lahore
- ❖ won one gold, one silver and one bronze medal in ICPC at GIKI
- ❖ first position in programming competition at women tech quest by 10Pearls
- ❖ third position in cyber security hackathon
- ❖ first position in UET Lahore
- ❖ first and third position in Codex' 22 by Tkxel

## **Programming Competitions Conduction**

I have joined the Computer Society as faculty advisor and later been promoted as chair computer society. Being, part of computer society, we have arranged four junior and three senior programming competitions.

## **Participated as Judge in Programming Competitions**

I have participated four times in ICPC as problem setter as well as judge I have participated as problem setter as well as judge in programming competition in UCP Lahore

## **Exam Coordinator**

**Faculty of Computing & Information Technology** Fall 2019 to onwards

The exam department under my supervision is handling four departments - computer science, information technology, software engineering & data science. The responsibilities includes:

- ❖ preparation and dissemination of date sheet for midterm and final term examinations
- ❖ supervise both permanent and visiting faculty for printing of question papers
- ❖ preparation and dissemination of duty rosters
- ❖ conduction of midterm and final term examinations
- ❖ conduction of resit examinations for both midterm and final term

- ❖ preparation and declaration of semester results
- ❖ preparation of notification for final semester batches
- ❖ preparation of result cards
- ❖ verification of results

## **Personal Information**

<b>Date of Birth</b>	31-Jan-1973
<b>Nationality</b>	Pakistani
<b>Religion</b>	Islam
<b>Languages</b>	English, Urdu
<b>Hobby</b>	Competitive Programming

## **References**

will be provided if required