AZM Ehtesham Chowdhury

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# Education

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| **American International University-Bangladesh (AIUB)** | Dhaka, Bangladesh |
| M.Sc. in Computer Science | 01/2015 - 12/2015 |
| Area of Specialization**:** Information and Database Management |  |
| CGPA: 3.98/4.0  Awarded ***Summa Cum Laude***, Top 5% of the Class Awarded ***Vice Chancellor’s Award***, Best Thesis |  |

Relevant Coursework: Human Computer Interaction, Image Processing, Data Mining, Knowledge Based Systems.

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| **American International University-Bangladesh (AIUB)** | Dhaka, Bangladesh |
| B.Sc. in Computer Science & Engineering | 09/2011 - 12/2014 |
| CGPA: 3.98/4.00 |  |
| Awarded ***Summa Cum Laude***, Top 5% of the Class |  |

Relevant Coursework: Computer Graphics, Computer Vision & Pattern Analysis, Data Warehouse and Data Mining, Artificial Intelligence, Statistics and Probability.

# Research Experience

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| **American International University-Bangladesh (AIUB)** | 05/2015-12/2015 |
| **Graduate Dissertation** - Visual Content Search using Subconscious Retinal Response. | |
| * Analyze and understand the patterns of human subconscious retinal response on known human, objects & events. * Identify the desired content or objects in very fast moving environment. * Develop a mobile application concept to find desired photo image (title, date unknown) from thousands of photo images within couple of minutes. | |
| **American International University-Bangladesh (AIUB)** | 06/2017 - |
| **Research Project** – EyeSafe: A smart system to Reconfigure UI For Good Eye Health | |
| * Analyze the pattern of eye gazing and pupil size to find the tired situation. * Halt UI and change color scheme to give rest to the eyes. * Auto suggestions. | |
| **American International University-Bangladesh (AIUB)** | 05/2017 - |
| **Research Project** – FastMed: An Intelligent System to Find Nearest Ambulances And Hospitals | |
| * Double tap finder service. * Send location to nearest ambulance station and running ambulances. * Search nearest ambulances after dropoff. * Find nearest hospitals |  |
| **American International University-Bangladesh (AIUB)** | 10/2016 - |
| **Research Project** – A Framework to Suggest Elective Courses for Students |  |

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| * Primary aim is to predict the suitability rate of elective courses. * Analyze the performance of completed courses. |  |
| **American International University-Bangladesh (AIUB)** | 05/2015- 02/2016 |
| **Research Project** – Computer Vision Based Foot Overstep No-Ball Detection in Cricket Match. | |
| * Detect the foot position regarding the popping crease. * Remove the inadequacy of human perception on mapping of faded popping crease. * Perform survey among cricket watchers to identify inadequacy regarding decision making. | |
| **American International University-Bangladesh (AIUB)** | 06/2017- |
| **Research Project** – Human Recognition by Analyzing Body Segments. |  |
| * Proposed a model to analyze the size, shape, cloth colors, viewable skin of different body parts. * Identify the persons those are not faced to camera as well. * Identify vehicle thieves from parking lot. | |
| **American International University-Bangladesh (AIUB)** | 04/2017 - |
| **Research Project**- Community Detection in Social Network using Temporal Data. | |
| * Proposed a model to detect community from social network posts, life events. | |
| * The model finds the betweeness among the users by considering the interlinked contents. | |
| **American International University-Bangladesh (AIUB)** | 06/2014 - 11/2014 |
| **Undergraduate Dissertation** – Cricket Shot Classification using Motion Vector. | |
| * Develop a system that analyze the global motion vectors from cricket video. | |
| * The motion angles tend to detect the 8 cricket shots. |  |

**Teaching Experience**

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| **American International University- Bangladesh** | Dhaka, Bangladesh |
| **Lecturer**, Department of Computer Science | 01/2016- Present |
| * Teach different courses of Computer Science. |  |
| * Actively participate in research. * Supervising Final year projects & research. * Mentoring National Application Challenge Projects. * Performing official works (advising, student activity, exam control). |  |
| **American International University- Bangladesh** | Dhaka, Bangladesh |
| **Instructor**, Department of Computer Science | 01/2015- 12/2015 |
| * Taught different courses of Computer Science. |  |
| * Performing official works (advising, student activity). |  |
| **American International University-Bangladesh (AIUB)** | Dhaka, Bangladesh |
| **Teaching Assistant (Internship),** Department of Computer Science | 09/2014 – 12/2014 |
| * TA for Web Technologies Course. |  |

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