

ASHNA NAWAR AHMED

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Education

Texas State University, San Marcos, Texas, USA <i>Ph. D. in Computer Science</i>	Fall 2024 (Aug 2024) – present <i>ONGOING</i>
Ahsanullah University of Science and Technology, Dhaka, Bangladesh <i>Bachelor of Science in Computer Science and Engineering</i> CGPA: 3.871/4.00 [1st in Merit Position]	Fall 2016 – Spring 2020 <i>Nov 2016 – Aug 2021</i>
Adamjee Cantonment College, Dhaka, Bangladesh <i>Higher Secondary Certificate (HSC) in Science Group</i>	Jul 2014 – Oct 2016 <i>GPA: 5.00/5.00</i>
Mohammadpur Preparatory Higher Secondary School, Dhaka, Bangladesh <i>Secondary School Certificate (SSC) in Science Group</i>	Jun 2014 <i>GPA: 5.00/5.00</i>

Research Interests

High Performance Computing, Multi-Objective Optimization, Evolutionary Algorithm, Neural Network, Machine Learning

Publication

Decentralizing and Optimizing Nation-Wide Employee Allocation While Simultaneously Maximizing Employee Satisfaction | [DOI link](#) | Dec 2022

- The goal was to decentralize the workers of Bangladesh and allocate them evenly in every district of Bangladesh where their satisfaction will be maximized while ensuring maximum dispersion using Multi-Objective Optimization and Neural Network.

Experience

Texas State University <i>Doctoral Research Assistant, Department of Computer Science, Supervisor: Dr. Tanzima Islam</i>	Aug 2024 – Present <i>San Marcos, Texas, USA</i>
Ahsanullah University of Science and Technology <i>Lecturer (On Study Leave), Department of Computer Science & Engineering</i>	Nov 2021 – July 2024 <i>Dhaka, Bangladesh</i>
Ahsanullah University of Science and Technology <i>Part-time Lecturer, Department of Computer Science & Engineering</i>	Sep 2021 – Oct 2021 <i>Dhaka, Bangladesh</i>

Certifications

International English Language Testing System (IELTS) Overall Band: **8.5**

Speaking **8.5**, Reading **9.0**, Listening **8.5**, Writing **7.5** | Result published on: August 1, 2023

Graduate Record Examinations (GRE) Overall Score: **325**

Quantitative Reasoning: **161**, Verbal Reasoning **164**, Analytical Writing **4.0** | Test Taken on: October 11, 2023

Training For Mobile Application Developer (iOS): Skill Development for Mobile Game and Application Project

Conducted by - ICT Division, Bangladesh | *May 2018 - Nov 2018*

Academic Projects

Information Pool System Website <i>C#; Framework: ASP.NET MVC</i> Git	2019
Open Credit System: Bootstrap Website <i>HTML, PHP, Javascript</i> Git	2019
Open Credit System: Database Project <i>Java, SQL Server</i> Git	2018
Memory Lane App(notes, recordings, alarms) <i>Android Studio, C++</i> Git	2018
Matchmaking Desktop Software <i>Java, Swing, Netbeans</i> Git	2017
Colour Switch Game <i>iGraphics Framework, C, Visual Studio</i> Git	2017

Awards and Achievements

1st Merit Position Holder (based on B.Sc. result, in a batch of 75 people)
Dean's List of Honor (based on B.Sc. result): Spring 2020
1st Runners-Up: Intra-AUST Project Showcase Spring 2018 (LFR)
Top 40 in National Girls' Programming Contest 2018

Professional Duties

AUST Annual Report Committee Member: *2021, 2022*
Outcome-Based Education (OBE) Committee Member: *2021-2023*
CV Processing Committee: *2022-2023*

Technical Skills

Languages: Python, C, C++, C#, Java, HTML5, PHP, JavaScript, Swift
Framework: CSS, WebGL, ASP.NET MVC, Bootstrap
Database: MySQL, MS SQL Server, SQLite, Oracle
Design Tools: Eclipse, NetBeans, Microsoft Visual Studio, PyCharm, Jupyter Notebook, Xcode
Operating System: Windows, Android, iOS, Linux
Others: PL/SQL, LaTeX

References

Dr. Tanzima Islam

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Dr. Mohammad Shafiqul Alam

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