








ABU HUMAYED AZIM FAHMID

Lecturer of CSE at UIU and CSE Graduate from BUET

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ABOUT ME

I am a dedicated Lecturer in the Department of Computer Science and Engineering at United International University and a proud CSE Graduate from BUET. The high CGPA and multiple Dean's List Awards during my time at BUET attest to my dedication to academic and research achievement. I have a strong theoretical foundation and I am skilled in a variety of programming languages. My research interests include Bioinformatics, Machine Learning and Cybersecurity, and I am passionate about contributing to projects in these areas. I am particularly passionate about contributing in the field of Computational Biology.




EDUCATIONAL BACKGROUND

2019 - 2024	B.Sc. in Computer Science and Engineering CGPA: 3.95/4.00	Bangladesh University of Engineering and Technology
2018	Higher Secondary Certificate GPA: 5.00/5.00	Notre Dame College, Dhaka Board
2016	Secondary School Certificate GPA: 5.00/5.00	Dhaka Residential Model College, Dhaka Board





WORK EXPERIENCE

2024-Present	Lecturer in Department of CSE 	United International University
• I am currently serving as a Full-time Lecturer in the Dept. of CSE at United International University.		
2023	Internship on Full Stack Development 	Mysoft Limited
• I have done Full Stack Development Virtual Internship with eSRD-Lab and Mysoft Limited.		








RESEARCH EXPERIENCE

Ongoing	Structural Variant Calling in Genome using Deep Learning 	Undergraduate Thesis
• Developing a structural variant caller using Deep Learning to improve SV detection methodologies.		
• Supervisor: Dr. Atif Hasan Rahman, Associate Professor, CSE, BUET		
• Technologies Used: C++, Python, PyTorch, IGV, SAM tools, BAM tools, FASTA.		
Ongoing	Psychosis Classification using rsfMRI 	ML Research Project
• Accurate classification between schizophrenia and bipolar disorder from resting state fMRI dataset.		
• Supervisor: Dr. Mohammad Saifur Rahman, Professor, CSE, BUET		
• Technologies Used: Python, PyTorch, TensorFlow 1x, TensorFlow 2x, Matlab 2015b, SPM12 toolbox.		
Ongoing	Incident Response Tools for Container-based Systems and Environments	Joint Project with CIISE
• Developing a standard incident response tool for container-based systems, especially for Kubernetes.		
• Supervisors:		
– Dr. Md. Shohrab Hossain, Professor, CSE, BUET		
– Dr. Suryadipta Majumdar, Associate Professor, CIISE		
• Technologies Used: Kubernetes, Docker, C++, Wazuh, RE&CT framework.		
2023	CTI Focusing on Implementation-oriented Vulnerabilities	Joint Project with NCTU & NYCU
• Assessing CVEs, contrasting detection-methods, and analyzing statistics for cybersecurity defense.		
• Supervisor: Dr. Md. Shohrab Hossain, Professor, CSE, BUET		
• Technologies Used: CVE, CWE and OWASP databases.		
2022-2023	Revealing Impacts of Roadside Objects on Road Traffic Networks in Dhaka City 	Submitted to ITS
• Studying the impact of common roadside objects on Dhaka's traffic by modeling blockage probabilities.		
• The poster version of this study won the first prize at the 9th NSysS.		
• Supervisor: Dr. A. B. M. Alim Al Islam, Professor, CSE, BUET		
• Technologies Used: Java, JavaFX, R tool.		
2021-2022	Dynamic Route Guiding System for the Heterogeneous Traffic of Dhaka City	A Project on DhakaSim
• Developing a DRGS for the Heterogeneous Traffic of Dhaka City with the aid of DhakaSim(traffic simulator).		
• Supervisor: Dr. A. B. M. Alim Al Islam, Professor, CSE, BUET		
• Technologies Used: Java, JavaFX.		

ACADEMIC AND INTERNSHIP PROJECTS

Node.js, Express, Next.js, PostgreSQL	TripTix - CSE 408 Project A versatile online ticketing platform for Bangladesh with features for train, bus and flight bookings.	 Trip-Tix
Spring Boot, Angular, MySQL	The Bookstore - Internship Project My project during my virtual internship with eSRD-Lab and Mysoft Limited.	 The Bookstore
Node.js, Express, React, Oracle	Bibliophiles - CSE 216 Project A web-based book cataloging and review application to manage, explore, review and organize books.	 Bibliophiles  Bibliophiles
C, C++, OpenGL	Vincent & Saitama The Super Hero - CSE 102 Project A thrilling game where Saitama and Vincent battle enemies, earn points and survive.	 VAS The Game  Executable
Arduino	Food Storage Automation System - CSE 316 Project A smart system to optimize food storage by controlling temperature, humidity and lighting.	 Video Demonstration







ACADEMIC ACHIEVEMENTS

3 Times	Dean's List Award Awarded for exceptional scholarly achievements with a consistent CGPA throughout academic studies.	Bangladesh University of Engineering and Technology
3 Times	University Merit Scholarship This scholarship is awarded for securing top places throughout the duration of academic studies.	Bangladesh University of Engineering and Technology
2024	Top 15 Best Young Engineer and Scientist  Awarded to the 15 best students nominated for the Honda Young Engineer and Scientist (Y-E-S) Award.	Honda Young Engineer and Scientist (Y-E-S) Award
2024	First Runner Up of Robi Datathon 3.0  My team YellowKing secured the First Runner Up position in Robi Datathon 3.0, Bangladesh's biggest datathon event for showcasing data-driven insights and solutions.	Robi Datathon 3.0
2023	Best Research Poster Award  Awarded to the best research poster from the local and international student research posters at NSysS.	10th International Conference on Networking, Systems and Security
2022	Best Research Poster Award  Awarded to the best research poster from the local and international student research posters at NSysS.	9th International Conference on Networking, Systems and Security
2018	Higher Secondary Certificate Talent Pool Scholarship  Awarded for an exemplary performance in the Higher Secondary Certificate Examination.	Dhaka Education Board
2018	Merit Award for Second in Academic Performance Intermediate Science  Awarded for achieving the distinguished second position amongst a cohort of 2014 students during the 2016-2018 academic years at Notre Dame College.	Notre Dame College
2016	Secondary School Certificate Talent Pool Scholarship  Awarded for an exemplary performance in the Secondary School Certificate Examination.	Dhaka Education Board

LEADERSHIP EXPERIENCE

- President of Notre Dame Writers' Club**
 - A role that allowed me to lead and inspire a community of budding writers.
- Editor of "Chit-Chat" (Quarterly Magazine of Notre Dame College)**
 - I had the privilege of being the editor of "Chit-Chat," Notre Dame College's quarterly magazine.

REFERENCES

- Dr. Atif Hasan Rahman**   atif@cse.buet.ac.bd
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