

# Alif Azam

Shahjalal University of Science and Technology, Sylhet-3114, Bangladesh

## Research Interest

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- HPC
- Machine Learning
- Computational Physics

## Skills

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|--------------------------|---|
| • Languages              | Python, C, Bash Scripting                     |
| • Packages and Libraries | NumPy, Pandas, Matplotlib, Scikit-learn, cuML |
| • Tools                  | git, GitHub, CLI                              |
| • Operating System       | Linux, Windows                                |

## Education

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- B.Sc. Hons. in Physics

Shahjalal University of Science and Technology, Sylhet

January 2023-Present

## Research Experience

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- High Performance Computing Lab

Shahjalal University of Science and Technology, Sylhet

December 2024-Present

- Setting up and maintaining an HPC cluster with PXE-booted diskless compute nodes.
- Configuring and managing Linux systems using SSH, NFS, and Bash scripting.
- Developing and running parallel applications with OpenMPI and OpenMP.

## Publications

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### Conference Proceedings

1. Nripendro Biswas, Ahmed Rijvee, Munaem Ahmed Mahdi, **Alif Azam**, Md. Takoat Hossain, “*BSER – Bengali Speech Emotion Recognition using MFCC Features Based on SUBESCO and BanglaSER: A Comparative Study of Machine Learning Models.*” Proceedings of the 8th International Conference on Engineering Research, Innovation and Education (ICERIE 2025), Atlantis Press. DOI: 10.2991/978-94-6463-884-4\_77

### Conference Presentation

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- “*BSER - Bengali Speech Emotion Recognition using MFCC Features Based on SUBESCO and BanglaSER: A Comparative Study of Machine Learning Models*”: Nripendro Biswas, Ahmed Rijvee, Munaem Ahmed Mahdi, **Alif Azam** and Md. Takoat Hossain. *International Conference on Engineering Research, Innovation and Education (ICERIE 2025)*.

## Linguistic Skill

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- English(Fluent English Proficiency)
- Bangla(Native Language)

## Workshops/Courses

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- System Administration and IT Infrastructure Service (by Google) January 2025
- Introduction to Deep Learning & Neural Networks using Keras (by IBM) December 2023
- Google Digital Marketing Course July 2021
- Python Core Course (by Sololearn) February 2020

## Extra-Curricular Activities

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- Assistant IT Secretary, Swapnotthan, SUST May 2024-July 2025
- Media and Outreach Team, SUST Autodrive September 2024-November 2024
- Volunteer, Sylhet Region, Bangladesh Physics Olympiad December 2023
- Typist, Chemistry Haters August 2020-November 2020

## Awards/Achievements

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- Chess Champion, Physics Indoor Tournament 2025 July 2025
- Finisher, Protiki Marathon (5Km) July 2025
- Accomplished Competitor, University Physics Competition 2023
- Chess RunnerUp, Intra Department Indoor games, SUST Physics Society December 2023
- Uno Chamption, Intra Department Indoor games, SUST Physics Society December 2023

## Contacts

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- GitHub: <https://github.com/azam-alif>
- ResearchGate: <https://www.researchgate.net/profile/Alif-Azam-2>