

# Masrur Ahmed

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House no.5, Block C, Road no.2, Shaplabag R/A, Tilagor, Sylhet 3100, Bangladesh

## RESEARCH EXPERIENCE

Undergraduate Research Project

Title: Machine Learning Approach to Toxic Gas Dispersion Modeling Feb 2020 - Dec 2020

Supervisor: Dr. Engr. Salma Akhter

(Journal Paper yet to be published)

## STANDARDIZED TEST SCORES

Graduate Record Examination (GRE) – 30<sup>th</sup> March 2022

Total	Verbal	Quantitative	Analytical Writing
322	161	161	3.5

Test of English as a Foreign Language (TOEFL) – 29<sup>th</sup> May 2022

Total	Reading	Listening	Speaking	Writing
104	28	28	23	25

## EDUCATION

**BSc** Chemical Engineering and Polymer Science

GPA: 3.01 / 4.00

Shahjalal University of Science and Technology, Sylhet

2016 - 2022

## CERTIFICATIONS

- ✓ Deep Learning Specialization, Coursera (5 courses) – September 2020
- ✓ Applied Data Science with Python Specialization, Coursera (3 completed out of 5 courses) – August 2020
- ✓ Python 3 Programming Specialization, Coursera (5 courses) – July 2020
- ✓ Open-Source Software Development Linux and Git Specialization, Coursera (4 courses) – June 2020
- ✓ Short Course on Chemical Weapons Convention and Basics of Chemical Hazard & Safety, Bangladesh National Authority for Chemical Weapons Convention (BNACWC) – October 2020

## TECHNICAL SKILLS

Programming	Python, C, MATLAB, Bash Scripting
Data Science	Pandas, Matplotlib, Scikit-Learn, Keras, Tensorflow
Office and Document Preparation	Office365, LibreOffice, G Suite, LaTeX, Overleaf
Modeling and Simulation	Aspen HYSYS, DWSIM, OpenFOAM, ParaFOAM
Cheminformatics	DeepChem, RDkit
Open-Source Development	Linux, Github, Docker
Others	Davinci Resolve, Gimp, HTML5, PowerBI

## TEACHING EXPERIENCE

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### Private Tuition

- Tutored more than 10 students of various classes
- Mostly taught high school Math, Physics, Chemistry, and IT

2016 - Present

## INDUSTRIAL TRAINING

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### ❖ Industrial Process Unit Operation and Process Control Technique

Training Institute for Chemical Industries, Narshingdi, Bangladesh

2019

Duration: 3 weeks

Grade Obtained: A (3.75/4)

### ❖ Industrial Visit to Kailashtilla Gas Field

- Watched the day to day running of the industry
- Examined various unit operations and unit processes
- Investigated the total production over the years and created a production forecast

2019

## EXTRA-CURRICULAR ACTIVITIES

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- IT Support Specialist at Al Rajhi Fashion and Al Rajhi Travels (2022 - Present)
- Voluntary Blood Donor (2016 - Present)
- YouTube Content Creator (2021 - Present)
- Co-founder and Midfielder of FC Classic XI (2013-2014)
- High School Annual Sports Volleyball Champion (2012)

## LINGUISTIC PROFICIENCY

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Bangla: Native

English: Fluent

Arabic: Novice Reader

## REFERENCE

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### **Dr. Engr. Salma Akhter**

Professor

Chemical Engineering and Polymer Science  
Shahjalal University of Science and Technology  
Email: [salma-cep@sust.edu](mailto:salma-cep@sust.edu)

### **Dr. Md. Mostafizur Rahman**

Associate Professor

Chemical Engineering and Polymer Science  
Shahjalal University of Science and Technology  
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