

# MD. AKRAM HOSSAIN

+8801521320585 | akramshuvro@gmail.com | LinkedIn | Website | Dhaka, Bangladesh

Experienced in the Curtain wall (Façade) sector. Have sound knowledge of Structural analysis and design of Steel and Aluminum structures. Familiar with different international building codes namely ASTM, ASCE, ACI, BNBC, and Euro Code. Have excellent knowledge of Microsoft Office suite (Word, Excel, PowerPoint, MS Project), AutoCAD 2D, Adobe products, and Structural analysis and design software like ETABS, Staad.pro, SAP200 etc. Believe in proper planning, hard work, perseverance, and honesty.



## PROFESSIONAL EXPERIENCE

**Structural Engineer,** March, 2022 – Present

**Arman Engineering Ltd.,** Islam Tower 4<sup>th</sup> floor, DIT road, Rampura, Dhaka, Bangladesh

### Responsibilities

- Structural Analysis and Design of Curtain wall Façade system, Steel and Aluminum structure
- Supervision of Façade work
- Document & Reports tracking

### Projects

- BRAC University New Campus, Dhaka
- Suvastu Skyline Avenue
- World Trade Center, Chittagong
- Aristropharma Limited
- Trade Inter-Continental (TIC), Dhaka
- Simpletree GSR
- Bhangha Junction

**Jr. Structural Engineer,** July, 2021 – Sept, 2021

**Naf Tourism Park Project,** Teknaf, Bangladesh (worked from home)

### Responsibilities,

- Structural modeling and analysis of Station-B
- Reports and document tracking

**Industrial Training** Nov, 2019 – Dec, 2019

**34 Engineer Construction Brigade,** Dampara, Chattogram, Bangladesh

- Visited the Patenga Container Terminal Project, and observed the Jetty and flyover construction
- Visited the ‘Re-excavation, expansion, renovation & development of canal for mitigating water logging problems in Chattogram city’ project and the ‘Riverbank Protection on Halda River’ project
- Learned cost-of-material estimation, report, and document tracking, project documentation, tender document preparation, etc.
- Cultivated an excellent relationship throughout the assigned territory

## ACADEMIC CREDENTIALS

• **BSc. in Civil Engineering,** March, 2016 – September, 2021

Chittagong University of Engineering and Technology (CUET)

Major: Structural Engineering (Engg. Materials)

Minor: Environmental Engineering

CGPA: 3.23/4.00

• **Higher Secondary School Certificate (HSC),** 2013 – 2015

Feni Government College

GPA: 5.00/5.00

• **Secondary School Certificate (SSC),** 2008 – 2013

Nizkunjara High School

GPA: 5.00/5.00

## RESEARCH EXPERIENCE

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### Undergraduate Research Work

May, 2021 – August, 2021

Chittagong University of Engineering and Technology (CUET)

Worked on the prediction of concrete strength using artificial neural networks (ANN). Some data is from our lab by concrete test which is used for validation, and most of the data used in this study to train the model was from different authors.

**Thesis title:** “Compressive Strength Prediction of Self-Compacting Concrete Using Artificial Neural Networks”

Research Supervisor: Prof. Dr. G. M. Sadiqul Islam

## AFFILIATIONS

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- o Member of **American Concrete Institute (ACI)**, Member ID: 1609603

## TECHNICAL SKILLS

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Engineering Software:	Abaqus, ETABS, SAP2000, STAAD Pro, IdeaStatica, RFEM, Tekla Tedds, AutoCAD, SketchUp
Programming language:	C++, Python, MATLAB
Office Program:	MS Word, Excel, PowerPoint
Graphics Design Software:	Adobe Photoshop, Adobe Illustrator
Video Editing Software:	Adobe Premier Pro, Camtasia
Other:	Linux (Debian, Ubuntu, Mint), Windows OS

## OTHER SKILLS

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- o Good time management
- o Good interpersonal communication skills
- o Ability to take challenges
- o Can work under pressure
- o Work effectively both individually and teamwork
- o Good presentation skills

## JOURNAL PUBLICATIONS

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- o **Md Akram Hossain**, Islam, G. M. S., & Amit Mallick. (2022). Compressive Strength Prediction for Industrial Waste-Based SCC Using Artificial Neural Network. *Journal of the Civil Engineering Forum*, 9(1), 11-26.  
<https://doi.org/10.22146/jcef.4094>

## COMPETITIONS

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- Participated and achieved **2<sup>nd</sup> runner-up prize** at the ACI Concrete Project Competition 2022, organized by the American Concrete Institute (ACI).  
<https://www.concrete.org/students/studentcompetitions/concreteprojectscompetition/concreteprojectspastwinners.aspx>

## EXTRA-CURRICULAR ACTIVITIES AND OTHER CREDENTIALS

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- **Board Scholarship** at JSC, SSC, HSC Exam by Bangladesh Govt.
- **Industrial Training** at 34 Engineer Construction Brigade
- **Honorary Award** from Deputy Commissioner for HSC exam result
- Executive member, CUET Debating Society
- Executive member, CUET Career Club
- ICT Editor, Notun Kuri Songha (Sporting and Social Club)
- Captain, Local cricket team (two times tournament champion)
- **Volunteer works**, CUET Debating Society annual program

## LINGUISTIC PROFICIENCY

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- **English** (Fluent Working Proficiency)
- **Bengali** (Native Language)

## EXTERNAL LINKS

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- Personal website: <https://akramh.com/>
- ResearchGate: <https://www.researchgate.net/profile/Md-Akram-Hossain-9>
- ORCID: <https://orcid.org/0000-0002-7688-1209>

## ACKNOWLEDGMENT

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I hereby declare that the information provided is true and correct. I also understand that any willful dishonesty may render for refusal of this application or immediate termination of employment.

## REFERENCES

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**Dr. G.M. Sadiqul Islam** (Project Supervisor)  
Professor, Dept. of Civil Engineering, CUET  
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Signature