








MD. ABU SAYED

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Profiles	 abusayed0206	 abusayed0206	 sayed.page	 0009-0007-899...
Interests	<div>Seismic Analysis & Design</div> <div>Machine Learning in Earthquake Engineering</div> <div>Finite Element & Computational Mechanics</div> <div>Structural Health Monitoring (SHM) & Damage Detection</div>			
Summary	Civil Engineering graduate from CUET with a specialization in Structural Engineering and a strong interest in seismic activities related research. Combining engineering knowledge with programming skills to develop practical solutions and contribute to research-driven projects.			
Education	Chittagong University of Engineering & Technology, Chittagong, Bangladesh CGPA: 3.06/4.00  https://cuet.ac.bd/		February 2020- July 2025 B.Sc in Civil Engineering	
Publications	Assessment of Hydrologic Alteration of the Ganges River in Bangladesh: Pre- and Post-Farakka Barrage and Treaty Scenario Springer Water  https://doi.org/10.1007/978-3-031-93350-9_1 Authors: Md. Reaz Akter Mullick; Shyamal Acharya; Md. Hazrat Ali; <u>Md. Abu Sayed</u> Saima Zaheen Venue: 9th International Conference on Water and Flood Management (ICWFM), BUET		August 2025	
Experience	Local Government Engineering Department (LGED) Industrial Trainee 3 weeks training in various locations in Chittagong, Feni and Noakhali. ACI Student Chapter,CUET Technical Lead  https://acicuet.org/ Designed, developed, and maintained the official website of the ACI Student Chapter at CUET. Led the technical team in deploying event features and managing the site. Greater Comilla Student Forum Joint Organizing Secretary		December 2024 Chittagong March 2022- June 2024 Chittagong, Bangladesh November 2024 to July 2025	
Languages	Bangla Native Speaker <div><div></div><div></div><div></div><div></div><div></div></div>		English Fluent <div><div></div><div></div><div></div><div></div><div></div><div></div></div>	

Projects	Vertical Extension of Civil Engineering Building(CUET) September 2024-July 2025	
	Supervisor: Dr. M Abdur R Bhuiyan, Professor, Department of Civil Engineering, Chittagong University of Engineering & Technology ↻ https://sayed.blog/vertical-extension-of-civil-engineering-building	
	<ul style="list-style-type: none"> Designed a 7-story steel extension over a 3-story RCC building (built in 1968) without retrofitting or added load. Used independent composite steel frame with separate foundation to bypass existing structure. Seismic evaluation as per PWD BSPP Manual; complied with BNBC 2020. 	
	Engineering Classification of Soil Sughandha R/A, Chittagong October 2023	
	↻ https://sayed.blog/engineering-classification-of-soil-goribullah-shah-housing-society	
	Structural Design and Analysis of a Residential Building at PinkCity, Raozan, Chittagong, Bangladesh November 2024	
	↻ https://sayed.blog/structural-design-and-analysis-of-a-residential-building-at-pinkcity-raoan-...	
Skills	Coding Languages <ul style="list-style-type: none"> Python Typescript 	Academic Softwares <ul style="list-style-type: none"> AutoCad ETabs SewerGEMS Plaxis
	Developer Tools <ul style="list-style-type: none"> Git LateX 	Soft Skills <ul style="list-style-type: none"> Microsoft Office Microsoft Project
Certifications	Introduction to Programming with Python September 2025	
	CS50 ↻ https://certificates.cs50.io/1ae8d624-040e-48b6-a177-c4f6535be669.png?size=letter Final project: https://github.com/abusayed0206/lbtrakt	
	Software Aided Civil Engineering Design & Analysis April 2025	
	'Enhancing Digital Government & Economy' (EDGE), CUET ↻ https://training.edge.gov.bd/certificate-validation?certificate_no=EDGE-DSTS-119-1119-00006	
	Build 8 Mini Projects in Python from Scratch December 2020	
	Udemy ↻ https://www.udemy.com/certificate/UC-606b2e8d-9d6d-4ff8-9032-854d4b5fec5f/	
	Ambassador September 2020	
	International Youth Math Challenge ↻ https://iymc.info/en/verify Credential ID: AC-2020-MDSAYED	
Academic References	Dr. Sudip Kumar Pal Professor, Department of Civil Engineering, Chittagong University of Engineering & Technology Academic Advisor Email: sudip@cuet.ac.bd Profile Google Scholar	
	Dr. M. Abdur R. Bhuiyan Professor, Department of Civil Engineering, Chittagong University of Engineering & Technology Thesis Supervisor Email: arbhuiyance@cuet.ac.bd Profile Google Scholar ResearchGate	