

MD. ABU SAYED

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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.					
Profiles	LinkedIn abusayed0206	Github abusayed0206	Bluesky sayed.page	ORCiD 0009-0007-8994-5252		
Interests	<p>Seismic Analysis & Design</p> <p>Machine Learning in Earthquake Engineering</p> <p>Finite Element & Computational Mechanics</p> <p>Structural Health Monitoring (SHM) & Damage Detection</p>					
Education	Chittagong University of Engineering & Technology, Chittagong, Bangladesh	B.Sc in Civil Engineering • CGPA: 3.06/4.00	February 2020- July 2025			
	https://cuet.ac.bd/					
Publications	Assessment of Hydrologic Alteration of the Ganges River in Bangladesh: Pre- and Post-Farakka Barrage and Treaty Scenario Springer Water 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 https://doi.org/10.1007/978-3-031-93350-9_1	August 2025				
Experience	Local Government Engineering Department (LGED) Industrial Trainee 3 weeks training in various locations in Chittagong, Feni and Noakhali.	Chittagong December 2024				
	ACI Student Chapter,CUET Technical Lead 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. https://acicuet.org/	Chittagong, Bangladesh March 2022- June 2024				
	Greater Comilla Student Forum Joint Organizing Secretary	November 2024 to July 2025				
Projects	Vertical Extension of Civil Engineering Building(CUET) <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. https://sayed.blog/vertical-extension-of-civil-engineering-building	September 2024-July 2025				
	Engineering Classification of Soil Sughandha R/A, Chittagong https://sayed.blog/engineering-classification-of-soil-goribullah-shah-housing-society	October 2023				
	Structural Design and Analysis of a Residential Building at PinkCity, Raozan, Chittagong, Bangladesh https://sayed.blog/structural-design-and-analysis-of-a-residential-building-at-pinkcity-raozan-chittagong-bangladesh	November 2024				

Languages	Bangla Native Speaker 	English TOEFL: 94 		
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 CS50 Final project: https://github.com/abusayed0206/lbtrakt https://certificates.cs50.io/1ae8d624-040e-48b6-a177-c4f6535be669.png?size=letter		September 2025	
	Software Aided Civil Engineering Design & Analysis 'Enhancing Digital Government & Economy' (EDGE), CUET https://training.edge.gov.bd/certificate-validation?certificate_no=EDGE-DSTS-119-1119-00006		April 2025	
	Build 8 Mini Projects in Python from Scratch Udemy https://www.udemy.com/certificate/UC-606b2e8d-9d6d-4ff8-9032-854d4b5fec5f/		December 2020	
	Ambassador International Youth Math Challenge Credential ID: AC-2020-MDSAYED https://iymc.info/en/verify		September 2020	
Academic References	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 Md Aftabur Rahman Professor, Department of Civil Engineering, Chittagong University of Engineering & Technology Course Teacher Email: maftabur@cuet.ac.bd Profile Personal Website			