

# MD. ABU SAYED

✉ hello@sayed.page ☎ +880 179134 8660 📍 Chittagong, Bangladesh 🌐 https://lrs.bd 🔗 https://sayed.page

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	Seismic Analysis & Design Machine Learning in Earthquake Engineering Finite Element & Computational Mechanics Structural Health Monitoring (SHM) & Damage Detection			
Education	Chittagong University of Engineering & Technology, Chittagong, Bangladesh B.Sc in Civil Engineering • CGPA: 3.06/4.00 February 2020- July 2025 <a href="https://cuet.ac.bd/">https://cuet.ac.bd/</a>			
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 <a href="https://doi.org/10.1007/978-3-031-93350-9_1">https://doi.org/10.1007/978-3-031-93350-9_1</a>			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 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. <a href="https://acicuet.org/">https://acicuet.org/</a> Greater Comilla Student Forum Joint Organizing Secretary			Chittagong December 2024 Chittagong, Bangladesh March 2022- June 2024 November 2024 to July 2025
Projects	Vertical Extension of Civil Engineering Building(CUET) • 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. <a href="https://sayed.blog/vertical-extension-of-civil-engineering-building">https://sayed.blog/vertical-extension-of-civil-engineering-building</a> Engineering Classification of Soil   Sughandha R/A, Chittagong <a href="https://sayed.blog/engineering-classification-of-soil-goribullah-shah-housing-society">https://sayed.blog/engineering-classification-of-soil-goribullah-shah-housing-society</a> Structural Design and Analysis of a Residential Building at PinkCity, Raozan, Chittagong, Bangladesh <a href="https://sayed.blog/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</a>			September 2024-July 2025 October 2023 November 2024

Languages	Bangla Native Speaker ● ● ● ● ●		English TOEFL: 94 ● ● ● ● ○	
Skills	Coding Languages <ul style="list-style-type: none"><li>• Python</li><li>• Typescript</li></ul>	Academic Softwares <ul style="list-style-type: none"><li>• AutoCad</li><li>• ETags</li><li>• SewerGEMS</li><li>• Plaxis</li></ul>	Developer Tools <ul style="list-style-type: none"><li>• Git</li><li>• LateX</li></ul>	Soft Skills <ul style="list-style-type: none"><li>• Microsoft Office</li><li>• Microsoft Project</li></ul>
Certifications	Introduction to Programming with Python CS50 Final project: <a href="https://github.com/abusayed0206/lbtrakt">https://github.com/abusayed0206/lbtrakt</a> <a href="https://certificates.cs50.io/1ae8d624-040e-48b6-a177-c4f6535be669.png?size=letter">https://certificates.cs50.io/1ae8d624-040e-48b6-a177-c4f6535be669.png?size=letter</a> September 2025 Software Aided Civil Engineering Design & Analysis 'Enhancing Digital Government & Economy' (EDGE), CUET <a href="https://training.edge.gov.bd/certificate-validation?certificate_no=EDGE-DSTS-119-1119-00006">https://training.edge.gov.bd/certificate-validation?certificate_no=EDGE-DSTS-119-1119-00006</a> April 2025 Build 8 Mini Projects in Python from Scratch Udemy <a href="https://www.udemy.com/certificate/UC-606b2e8d-9d6d-4ff8-9032-854d4b5fec5f/">https://www.udemy.com/certificate/UC-606b2e8d-9d6d-4ff8-9032-854d4b5fec5f/</a> December 2020 Ambassador International Youth Math Challenge Credential ID: AC-2020-MDSAYED <a href="https://iymc.info/en/verify">https://iymc.info/en/verify</a> September 2020			
Academic References	Dr. M. Abdur R. Bhuiyan Professor, Department of Civil Engineering, Chittagong University of Engineering & Technology Thesis Supervisor Email: <a href="mailto:arbhuiyance@cuet.ac.bd">arbhuiyance@cuet.ac.bd</a> Profile   <a href="#">Google Scholar</a>   <a href="#">ResearchGate</a> Md Aftabur Rahman Professor, Department of Civil Engineering, Chittagong University of Engineering & Technology Course Teacher Email: <a href="mailto:maftabur@cuet.ac.bd">maftabur@cuet.ac.bd</a> Profile   <a href="#">Personal Website</a>			