








# MD. ABU SAYED

📍 Chittagong, Bangladesh 📞 +880 179134 8660 📧 [hello@sayed.page](mailto:hello@sayed.page) 🌐 <https://abusayed.dev/> 🌐 <https://sayed.page/>

Profiles	 <a href="#">abusayed0206</a>	 <a href="#">abusayed0206</a>	 <a href="#">sayed.page</a>	 <a href="#">0009-0007-8994-5252</a>
Interests	<div>Seismic Analysis &amp; Design</div> <div>Machine Learning in Earthquake Engineering</div> <div>Finite Element &amp; Computational Mechanics</div> <div>Structural Health Monitoring (SHM) &amp; 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  <a href="https://cuet.ac.bd/">https://cuet.ac.bd/</a>		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  <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> 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  <a href="https://acicuet.org/">https://acicuet.org/</a> 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	<b>Vertical Extension of Civil Engineering Building(CUET)</b> <span>September 2024-July 2025</span> Supervisor: Dr. M Abdur R Bhuiyan, Professor, Department of Civil Engineering, Chittagong University of Engineering & Technology <a href="https://blog.abusayed.dev/vertical-extension-of-civil-engineering-building">https://blog.abusayed.dev/vertical-extension-of-civil-engineering-building</a> <ul style="list-style-type: none"> <li>Designed a 7-story steel extension over a 3-story RCC building (built in 1968) without retrofitting or added load.</li> <li>Used independent composite steel frame with separate foundation to bypass existing structure.</li> <li>Seismic evaluation as per PWD BSPP Manual; complied with BNBC 2020.</li> </ul>
	<b>Engineering Classification of Soil   Sughandha R/A, Chittagong</b> <span>October 2023</span> <a href="https://blog.abusayed.dev/engineering-classification-of-soil-goribullah-shah-housing-society">https://blog.abusayed.dev/engineering-classification-of-soil-goribullah-shah-housing-society</a>
	<b>Structural Design and Analysis of a Residential Building at PinkCity, Raozan, Chittagong, Bangladesh</b> <span>November 2024</span> <a href="https://blog.abusayed.dev/structural-design-and-analysis-of-a-residential-building-at-pinkcity-raozan-chittagong-bangladesh">https://blog.abusayed.dev/structural-design-and-analysis-of-a-residential-building-at-pinkcity-raozan-chittagong-bangladesh</a>

Skills	Coding Languages	Academic Softwares	Developer Tools	Soft Skills
	<ul style="list-style-type: none"> <li>Python</li> <li>Javascript</li> <li>Typescript</li> </ul>	<ul style="list-style-type: none"> <li>AutoCad</li> <li>ETabs</li> <li>SewerGEMS</li> <li>Plaxis</li> </ul>	<ul style="list-style-type: none"> <li>Git</li> <li>LateX</li> </ul>	<ul style="list-style-type: none"> <li>Microsoft Office</li> <li>Microsoft Project</li> </ul>

Certifications	<b>Software Aided Civil Engineering Design &amp; Analysis</b> <span>April 2025</span> '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>
	<b>Build 8 Mini Projects in Python from Scratch</b> <span>December 2020</span> 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>
	<b>Ambassador</b> <span>September 2020</span> International Youth Math Challenge <a href="https://iymc.info/en/verify">https://iymc.info/en/verify</a> Credential ID: AC-2020-MDSAYED

Academic References	<b>Dr. Sudip Kumar Pal</b> Professor, Department of Civil Engineering, Chittagong University of Engineering & Technology Academic Advisor Email: <a href="mailto:sudip@cuet.ac.bd">sudip@cuet.ac.bd</a> <a href="#">Profile</a>   <a href="#">Google Scholar</a>
	<b>Dr. M. Abdur R. Bhuiyan</b> 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> <a href="#">Profile</a>   <a href="#">Google Scholar</a>   <a href="#">ResearchGate</a>