

Mohammad Altab

+91-7217758943 | mdaltab01786@gmail.com | [linkedin](#) | [GitHub](#)

EDUCATION

Delhi Technological University <i>Bachelor of Technology in Computer Science — CGPA: 7.54</i>	2021 – 2025 <i>Delhi, India</i>
School of Excellence <i>CBSE (Class XII) — Aggregate: 92.8%</i>	2020 – 2021 <i>Delhi, India</i>
Jain Bharti Model School <i>CBSE (Class X) — Aggregate: 90.4%</i>	2018 – 2019 <i>Delhi, India</i>

WORK EXPERIENCE

MATHSLOYAL <i>Software Engineering Intern</i> Certificate	Jun 2024 – July 2024
<ul style="list-style-type: none">Developed and optimized search algorithms to improve question visibility and enhance the user experience.Leveraged GPT-3.5 prompt engineering to provide solutions for mathematics questions.Worked on a big chunk of the back-end such as payment integration, user creation, e-mail confirmation, etc.	

PROJECTS

File Zipper Utility Using Huffman Algorithm <i>C++</i> GitHub	Aug 2024
<ul style="list-style-type: none">Developed a file compression and decompression utility using Huffman coding in C++ to optimize data storage.Implemented a frequency counter to analyze input files and calculate compression ratios, enhancing efficiency.Designed an interface that allows users to seamlessly switch between compression and decompression modes.	
HomeSpace <i>Python, HTML, CSS, Bootstrap, JavaScript</i> GitHub	Mar 2024
<ul style="list-style-type: none">Achieved 89% accuracy with Machine Learning, feature engineering, and outlier removal in Python.Led a 3-member team through data preprocessing, model development, and deployment.Created a web interface to visualize real estate price predictions for two cities using HTML, CSS, and JavaScript.	
Worldtrk <i>HTML, CSS, JavaScript</i> GitHub Live Link	Nov 2023
<ul style="list-style-type: none">Reduced initial page load time by approximately 30% by optimizing images and implementing lazy loading in Worldtrk, enhancing the user experience.Improved site responsiveness by 25% through the integration of ScrollReveal and Swiper.js, creating a more engaging and visually dynamic interface.Developed a fully responsive travel discovery platform in 4 weeks, integrating hotel and restaurant APIs to offer comprehensive travel recommendations and enhance user engagement.	

TECHNICAL SKILLS

Technical Skills: C, C++, Python, HTML, CSS, JavaScript, SQL
Developer Tools: Git, GitHub, VS Code, Visual Studio, PyCharm
Coursework: Data Structures and Algorithms, Object Oriented Programming, Database Management Systems, Computer Networks, Operating Systems, Wireless and Mobile Computing

ACHIEVEMENTS

- Solved 400+ questions on LeetCode related to data structures, algorithms, and SQL.
- Achieved **Elite Silver** in NPTEL's "*Joy of Computing using Python*" by IIT Ropar, scoring 81%.
- Achieved **Elite Gold** in NPTEL's "*Education for Sustainable Development*" by IIT Kharagpur, with a perfect score of 100%.

LEADERSHIP EXPERIENCE

EngiFest <i>Co-Head</i>	Nov 2022 – Feb 2023
<ul style="list-style-type: none">Managed security protocols for a 25,000+ attendee festival, ensuring safety and high satisfaction.Developed and implemented a contingency plan to address security risks for a high-traffic college festival.	
Desh Ke Mentors <i>Mentor</i>	Jan 2022 – Mar 2022
<ul style="list-style-type: none">Empowered 4 students to explore diverse career paths beyond traditional engineering options.Provided guidance that increased students' grades by an average of 6.6%.	