

CREATIVE PORTFOLIO

Prepared by Golam Murshed Ratul



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ABOUT ME

I'm Golam Murshed Ratul, a third-year Mechanical Engineering student at Chittagong University of Engineering & Technology (CUET) with a strong enthusiasm for automotive engineering, design, and performance optimization. I'm passionate about CAD modelling and simulation, where I aim to bring precision and creativity together to develop efficient mechanical systems. My experience in leadership and financial management, along with collaborative work in clubs and technical projects, has strengthened my ability to work within multidisciplinary teams. I'm particularly interested in contributing to CUET's F1 car project "Bijoy 71" under CUET Automotive & Mobility Society, where I hope to apply my design and analytical skills to real-world automotive innovation.





MISSION

To apply my engineering knowledge, creative design skills, and analytical mindset toward developing innovative and efficient mechanical systems. I aim to contribute meaningfully to advanced automotive projects like Bijoy 71, while continuously learning, collaborating, and pushing the boundaries of performance and precision in every design I create.

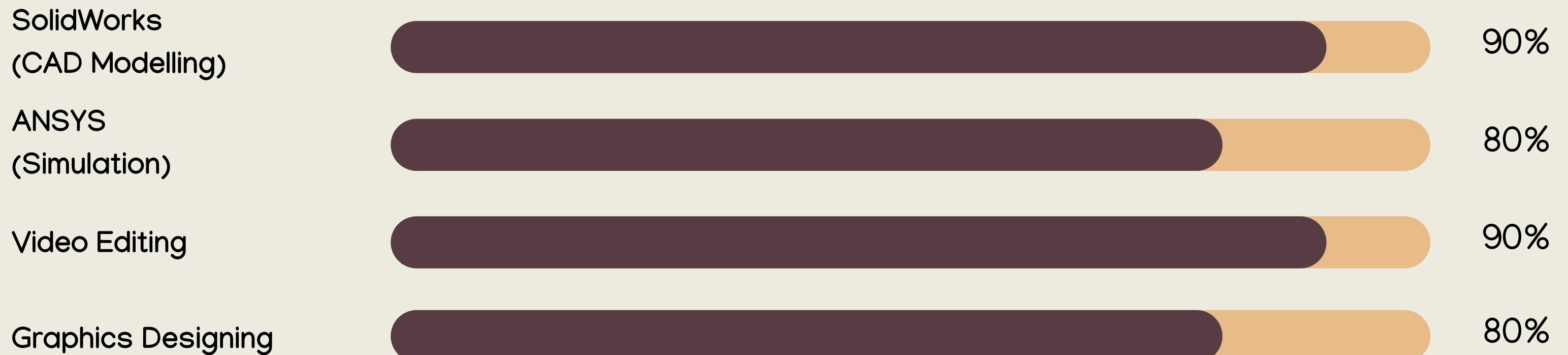


VISION

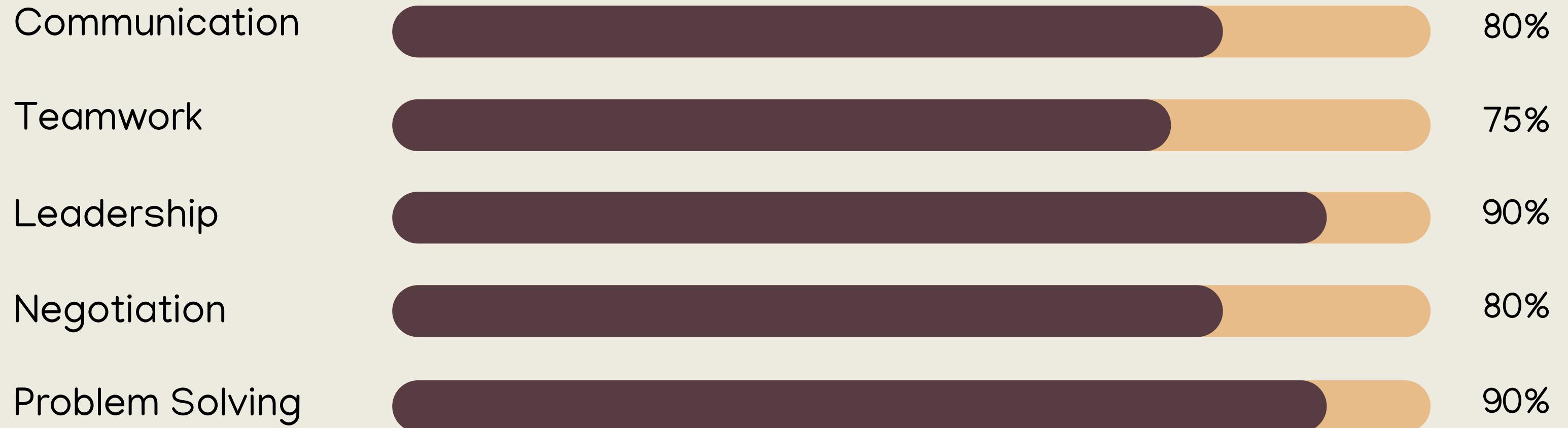
To become a skilled and forward-thinking automotive engineer who contributes to the evolution of sustainable and high-performance vehicle technology. I aspire to blend engineering excellence, innovation, and teamwork to drive the future of mobility and represent CUET in global engineering platforms.



PROFESSIONAL SKILLS



PERSONAL SKILLS



EDUCATION

2014–2019

Burichong Ananda Pilot Govt. High School

2019–2021

Cumilla Victoria Govt. College

2023–2025 & Continued

Chittagong University of Engineering & Technology
Department of Mechanical Engineering

WORK EXPERIENCE

From 2024

CUET Automotive & Mobility Society

Video Editor & Graphics Designer

Contributed to visual storytelling and content creation for events, workshops, and technical showcases. Designed engaging visuals and edited promotional videos to represent the team's automotive innovation and engineering culture.

From 2024

ASRRO

Video Editor

Produced and edited promotional and documentary-style videos for ASRRO's (Andromeda Space & Robotics Research Organization) projects, competitions, and events. Focused on maintaining visual consistency and storytelling quality to highlight the organization's research and achievements.

From 2024

StarLap Project

Aeropropulsion, CAD Designing & Simulation Team Member

Worked on the aerodynamic and propulsion aspects of the StarLap rocket project. Designed and simulated structural components using CAD and ANSYS tools to enhance performance and stability during launch.

From 2025

CUET Film Society

Event Manager

Planned, organized, and managed major events and film-related activities within CUET Film Society. Oversaw event logistics, coordination, and creative execution to deliver smooth and engaging experiences for participants and audiences.



WORK EXPERIENCE

From 2020 – 2023
Mental Health Care
Managing Director

Led organizational planning, team coordination, and outreach programs aimed at promoting mental health awareness. Managed operations and initiatives to support emotional well-being and community engagement.

In 2023
Robo Mechatronics Association
Participant in Expeditious

Designed and operated a soccer-playing robot integrating mechanical design, control systems, and teamwork. Gained hands-on experience in mechatronics and robotics under competitive, real-time problem-solving conditions.

From 2025
Solacefy
Founder & Brand Owner

Founded and currently managing Solacefy, a growing online retail brand. Oversee brand strategy, marketing, and creative direction to deliver high-quality, customer-focused products across diverse categories.

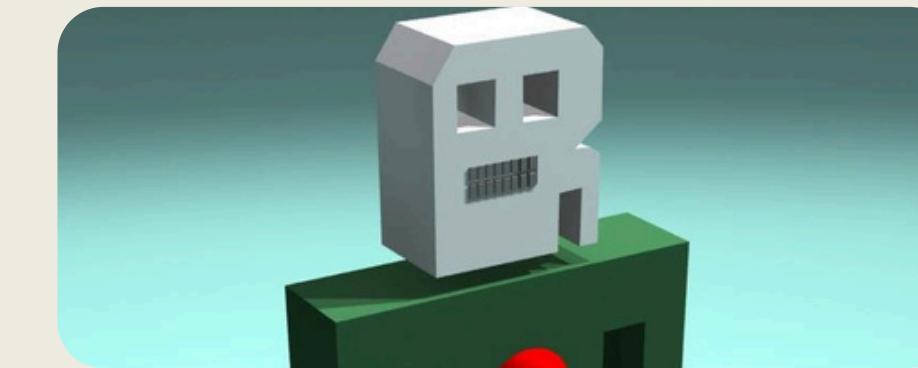
PROJECT PORTFOLIO

Project 1



I contributed to the StarLap Project under ASRRO CUET, working in the Aeropropulsion and Simulation Team on both the Rocket and UAV divisions. I was actively involved in assembling the rocket body and developing the rocket fuel through multiple trial-and-error iterations to achieve optimal performance. For the UAV, I contributed to the fuselage and wing design, performing aerodynamic analysis to ensure stable and efficient flight. I also used SolidWorks and ANSYS, along with OpenRocket and OpenMotor, to simulate and optimize propulsion, aerodynamics, and structural performance, applying both hands-on and analytical skills to develop functional aerospace prototypes.

Project 2



I participated in Expeditious, the soccer bot competition organized by RMA, where I was involved in designing, building, and programming a robotic soccer player. I worked on the mechanical design, assembly, and fine-tuning, while collaborating with teammates on control strategies and sensor integration. Through iterative testing, I gained hands-on experience in mechatronics, embedded systems, and real-time problem-solving, developing both technical skills and teamwork under competitive conditions.

PROJECT PORTFOLIO

Project 3



I have actively contributed to CUET Automotive & Mobility Society (CAMS) in multiple roles, including Video Editor, Graphics Designer, Event Manager, and Promotion Team member. I created engaging promotional videos and graphics to highlight the team's projects and events, while also planning and managing workshops, competitions, and technical showcases. Additionally, I helped promote CAMS activities through social media and on-campus campaigns, ensuring wider participation and visibility. This experience strengthened my skills in content creation, event coordination, team collaboration, and public engagement within a technical and fast-paced environment.



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**THANK
YOU**