

# Muhammad Atheeq B

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## CAREER OBJECTIVE

Driven mechanical engineering student with hands-on project experience, eager to apply practical skills and creativity to solve real-world problems and grow with a team that values innovation and impact.

## WORK EXPERIENCE

Roll Cage Department • Internship

May 2024 - Present

- Team SJEC Racing, Mangalore,
- Core member of the Roll Cage team at SJEC Racing (mBAJA SAEINDIA), where I helped design, analyze, and build the vehicle's safety structure in line with SAE regulations.
  - Worked closely with the team on material selection, CAD modeling, FEA analysis, and safety checks- all aimed at making the roll cage tougher, safer, and ready for competition.

Mechanical Design • Internship

Sep 2024 - May 2025

- Automation And Robotics Club, Mangalore,
- Active member of my college's Club, focusing on CAD design using SolidWorks and Fusion 360 to bring ideas to life.
  - Helped design mechanical components and robotic systems, sharpening both my technical skills and my ability to work closely with a team.

Metal Fabrication & Machining • Internship

Jan 2024 - Apr 2024

- Elite Engineering Industries, Mangalore,
- Gained hands-on experience in metal fabrication and machining, getting familiar with tools, techniques, and the real-world side of manufacturing.
  - Contributed to projects like repurposing a gas tanker and building heat exchangers, agitator tanks, and diesel storage tanks, turning concepts into operational systems.

## EDUCATION

Bachelor of Engineering (B.E), Mechanical Engineering

2024 - 2027

St Joseph Engineering College

Diploma, Mechanical Engineering

2021 - 2024

Karnataka (Govt.) Polytechnic

CGPA: 8.00/10

## TRAININGS / CERTIFICATIONS

ProSolve Show Competition

- Christ (Deemed To Be University), Bangalore
- Took 1st place for creative problem-solving, sharp time management, and a solid technical pitch.

SolidWorks Course (CSWA)

- Udemy, Virtual
- Completed a SolidWorks course aligned with CSWA standards — built skills in 3D part and assembly modeling, detailed drawings, and real-world CAD workflows using industry tools.

## PROJECTS

Optimization of Roll Cage under Real-World Loads

- Worked on optimizing a sustainable roll cage design by testing its performance under real load conditions.
- Focused on improving safety and strength while exploring eco-friendly materials for a greener build.

## SKILLS

- 3D Modeling
  - Hands-on machining and assembly
  - Product Development
- CAD
  - SolidWorks
  - English Proficiency (Spoken)