Priya Nataraj

Recent Graduate — Mechanical Engineering

Education

2021–2025 **MEng Mechanical Engineering**, *University of Bristol*
First Class Honours. Master's project: topology-optimised bracket design for a student Formula SAE car, reducing mass by 31% against the baseline part while passing FEA fatigue checks.

2019–2021 **A-Levels: Maths, Physics, Design Technology**, *Bristol Grammar School*
A*A*A

Projects

2024–2025 **Team Lead, Formula Student**, *University of Bristol Racing*
Led the 6-person chassis subteam. Redesigned the suspension uprights in aluminium 7075, cutting unsprung mass by 18% versus the prior year's car. Car finished 4th at Silverstone.

2024 **Summer Research Placement**, *Bristol Robotics Laboratory*
Built a test rig for measuring joint friction in a soft-robotic gripper; results used in a lab publication on compliant actuation.

Skills

CAD/CAE SolidWorks, Ansys, Fusion 360

Programming Python, MATLAB, basic C++

Manufacturing CNC milling, 3D printing (FDM/SLA), basic welding

Languages English (native), Tamil (fluent), French (conversational)

Awards

2025 Institution of Mechanical Engineers student prize (Bristol chapter)

2024 Dean's List, Faculty of Engineering

Interests

Competitive rowing, restoring an old motorcycle, amateur photography.

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